



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY, FLORIDA
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Pella Corporation
102 Main Street
Pella, IA 50219

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code. This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "350 HurricaneShield® 4½" Vinyl" White PVC Awning Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. PELL0025, titled "Series 350 4-½" Vinyl Awning Window – Impact", sheets 1, 2, 3, 4, 4A, 5 and 6 through 13 of 14, dated 12/27/12, with revision C dated 09/28/15, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA No. 13-0114.08 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



MP
10/29/15

NOA No. 15-0401.06
Expiration Date: October 10, 2018
Approval Date: November 05, 2015
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under previous NOA No. 13-0114.08)
2. Drawing No. **PELL0025**, titled "Series 350 4-½" Vinyl Awning Window - Impact", sheets 1, 2, 3, 4, 4A, 5 and 6 through 13 of 14, dated 12/27/12, with revision **C** dated 09/28/15, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of a series 350 outswing vinyl casement window, prepared by Element Materials Technology, Des Moines, Test Reports No. **ESP010280P.Dade.Rev** and **ESP013993P.Awning Dade**, both dated 07/20/12, signed and sealed by Jason R. Steen, P.E.
(Submitted under previous NOA No. 13-0114.08)

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with **FBC 5th Edition (2014)**, dated 03/06/15 and revised on 09/28/15, prepared by PTC Product Design Group, LLC, signed and sealed by Robert J. Amoruso, P.E.
2. Glazing complies with **ASTM E1300-09**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **14-0916.10** issued to **Kuraray America, Inc.** for their "**Butacite® PVB Glass Interlayer**" dated 04/25/15, expiring on 12/11/16.
2. Notice of Acceptance No. **12-1017.02** issued to Quanex Building Products, Inc. for "**White Rigid PVC Exterior Extrusions for Windows and Doors**" dated 02/07/13, expiring on 12/26/16.
3. Notice of Acceptance No. **13-0425.15** issued to Quanex Building Products, Inc. for "**Antique Bronze Super Coated White Rigid PVC Exterior Extrusions for Windows and Doors**" dated 06/20/13, expiring on 12/26/16.



Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0401.06

Expiration Date: October 10, 2018
Approval Date: November 05, 2015

Pella Corporation

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 5th Edition (2014)**, and of no financial interest, dated March 24, 2015, issued by Al-Farooq Corporation, signed and sealed by Robert J. Amoruso, P.E.
2. Laboratory compliance letters for Test Reports No. **ESP010280P.Dade.Rev** and **ESP013993P.Awning Dade**, both issued by Element Materials Technology Des Moines, dated 07/29/12, signed and sealed by Jason R. Steen, P.E.
(Submitted under previous NOA No. 13-0114.08)

G. OTHERS

1. Notice of Acceptance No. **13-0114.08**, issued to Pella Corporation for their Series "350 HurricaneShield® 4½" Vinyl" White PVC Awning Window – L.M.I.", approved on 10/10/13 and expiring on 10/10/18.



Manuel Perez, P.E.
Product Control Examiner
NOA No. 15-0401.06

Expiration Date: October 10, 2018
Approval Date: November 05, 2015

PELLA CORPORATION
350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT
INSTALLATION ANCHORAGE DETAILS

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED, EVALUATED AND DESIGNED TO THE DESIGN PRESSURE(S) STATED HEREIN AS FOLLOWS.
- 1.1. IN COMPLIANCE WITH THE 5TH EDITION (2014) FLORIDA BUILDING CODE - BUILDING AND RESIDENTIAL VOLUMES.
- 1.2. PERFORMANCE STANDARDS:
- 1.2.1. TAS 201-94, LARGE MISSILE IMPACT
- 1.2.2. TAS-202-94
- 1.2.3. TAS 203-94
2. THE PRODUCT DETAILS CONTAINED HEREIN ARE BASED UPON SIGNED AND SEALED TEST REPORT NO. ESP010280P.AWNING-DADE, DATED JULY 29, 2012 AND ASSOCIATED LABORATORY DRAWINGS BY ELEMENT MATERIALS TECHNOLOGY, DES MOINES, IA. TESTING WAS CONDUCTED TO TAS 201-94, TAS 202-94 AND TAS 203-94.
3. THIS PRODUCT EVALUATION DOCUMENT IS FOR USE IN THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
4. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE / MASONRY, 2X FRAMING AND METAL FRAMING SUBSTRATES AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
5. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT ACTING AS THE DESIGN PROFESSIONAL OF RECORD FOR THE PROJECT OF INSTALLATION.
6. WHEN INSTALLED IN LOCATIONS WHERE WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, THE FOLLOWING IMPACT PROTECTIVE REQUIREMENTS ARE MET:
- 6.1. HIGH VELOCITY HURRICANE ZONE (HVHZ):
- 6.1.1. LARGE MISSILE IMPACT REQUIREMENTS AT HEIGHTS UP TO 30 FEET ABOVE GRADE:
- 6.1.1.1. THESE WINDOWS MEET LARGE MISSILE IMPACT REQUIREMENTS OF THE 5TH EDITION (2014) FBC AND DO NOT REQUIRE USE OF AN APPROVED HVHZ IMPACT PROTECTIVE SYSTEM. SEE NOTE 3 ON SHEET 8 OF 13.
- 6.1.2. SMALL MISSILE IMPACT REQUIREMENTS AT HEIGHTS EXCEEDING 30 FEET ABOVE GRADE:
- 6.1.2.1. THESE WINDOWS MEET SMALL MISSILE IMPACT REQUIREMENTS OF THE 5TH EDITION (2014) FBC WHEN GLAZED ON THE EXTERIOR USING SAFETY GLAZING AND DO NOT REQUIRE USE OF AN APPROVED HVHZ IMPACT PROTECTIVE SYSTEM. SEE NOTE 4 ON SHEET 8 OF 13.
- 6.2. WINDBORNE DEBRIS AREAS OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (NON-HVHZ):
- 6.2.1. WHEN INSTALLED IN LOCATIONS WHERE NON-HVHZ WINDBORNE DEBRIS PROTECTION REQUIREMENTS EXIST, THIS PRODUCT DOES NOT REQUIRE USE OF AN APPROVED IMPACT PROTECTIVE SYSTEM.
7. SITE CONDITIONS NOT COVERED IN THIS PRODUCT EVALUATION DOCUMENT ARE SUBJECT TO ADDITIONAL ENGINEERING ANALYSIS BY A LICENSED PROFESSIONAL ENGINEER OR REGISTERED ARCHITECT AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
8. MATERIALS:
- 8.1. WINDOW FRAME MATERIAL: VINYL (PVC) PER QUANEX BUILDING PRODUCTS NOA NO. 12-1017.02
- 8.2. LAMINATED GLAZING INTERLAYER PER MIAMI-DADE NOTICE OF ACCEPTANCE (NOA).
- 8.2.1. KURARAY BUTACITE PVB GLASS INTERLAYER MATERIAL PER NOA NO. 13-0129.27.
9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300-09a.
10. DESIGNATION "X" STANDS FOR THE FOLLOWING OPERABLE SASH.
11. THESE DRAWINGS CERTIFY THE WINDOW INSTALLATION ONLY. WATER PROOFING OF THE INSTALLED WINDOW IS NOT PART OF THIS INSTALLATION CERTIFICATION. THAT RESPONSIBILITY SHALL BE THAT OF THE MANUFACTURER AND/OR THE INSTALLER.

SEE SHEET 2 FOR DESIGN PRESSURES.

INSTALLATION NOTES:

1. PRODUCT ANCHORS SHALL BE AS DESIGNATED AND LOCATED AS SHOWN IN THIS PRODUCT EVALUATION DOCUMENT. ANCHOR EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
2. SEE INSTALLATION ANCHOR SCHEDULE ON SHEET 2 FOR TYPE AND GRADE OF ANCHOR, AND/OR MANUFACTURER'S ANCHOR SPECIFICATIONS, INCLUDING MINIMUM NOMINAL SIZE, MINIMUM EMBEDMENT INTO SUBSTRATE AND MINIMUM EDGE DISTANCES.
- 2.1. EDGE DISTANCES SHALL BE MEASURED FROM CENTERLINE OF ANCHOR TO EDGE OF STRUCTURAL SUBSTRATE EITHER TO THE INTERIOR OR EXTERIOR OF THE FENESTRATION PRODUCT.
- 2.2. MINIMUM EMBEDMENT SHALL BE BASED ON PENETRATION INTO MAIN WIND FORCE RESISTING SYSTEM SUBSTRATE.
3. SEE SHEETS 5, 6 and 7 FOR SPECIFIC ANCHOR INSTALLATION DETAILS.
4. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
5. THE NUMBER OF INSTALLATION ANCHORS IS BASED ON THE MAXIMUM END DISTANCE (ED) AND THE MAXIMUM ON CENTER (O.C.) SPACING PLACEMENT OF ANCHORS IN ACCORDANCE WITH THE TABLES ON SHEET 2. END DISTANCES AND O.C. SPACINGS LESS THAN THAT SHOWN IN THE TABLES ON SHEET 2 ARE ACCEPTABLE.
- 5.1. SEE ADDITIONAL NOTES ON SHEET 2.
6. MAXIMUM ALLOWABLE SHIM THICKNESS IS 1/4 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF WOOD COMPOSITE, HIGH DENSITY PLASTIC OR SIMILAR LOAD BEARING MATERIAL.
- 6.1. FOR BLOCK, FIN & FLANGE FRAME INSTALLATIONS, SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR.
7. FOR CONCRETE BLOCK APPLICATIONS DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS.
8. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED IN THE INSTALLATION ANCHOR SCHEDULE ON SHEET 2.

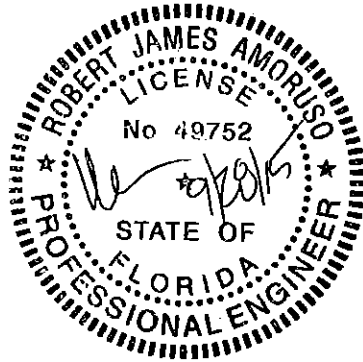
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SHEET	SHEET DESCRIPTION
1	GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS
2	ANCHOR SCHEDULES AND DP CHART
3, 4 & 4A	ELEVATIONS & ANCHOR LAYOUTS
5 - 7	INSTALLATION SECTIONS
8	GLAZING DETAIL AND GLAZING NOTES
9	BILL OF MATERIALS
10	VERTICAL CROSS SECTION
11	HORIZONTAL CROSS SECTION
12	COMPONENT SECTIONS
13	INSTALLATION CLIP DETAIL AND CORNER CONSTRUCTION

PROJECT # 414-0609			
UPDATED FOR MD COMMENTS	9/28/15	RJA	BY
UPDATE TO 5TH EDITION (2014) FBC	3/16/15	RJA	DATE
REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13	9/23/13	RJA	
DESCRIPTION			

PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219			
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS			
DATE:	12/27/12	DRAWING NO.:	PELL0025
DRAWN BY:	RJA	SCALE:	N.T.S.
PREPARED BY:		REV:	C
SHEET: 1 OF 14			

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0401.06
Expiration Date Oct. 10, 2018
By Manuel Perez
Miami Dade Product Control

Robert J. Amoroso, P.E.
Florida P.E. No. 49752



350 SERIES AWNING WINDOW INSTALLATION REQUIREMENTS

Max. Size Tested	Design Pressure (PSF)	Sill Reinforcement Required	Lock Assembly	Substrate	Installation Type	End Spacing All Corners	Quantity of Anchors at Head & Sill	Center to Center Spacing Head & Sill	Quantity of Anchors at Jambs	Center to Center Spacing Jambs
59 1/2" x 35 1/2"	+70/-75	1/4" x 1" x 38-3/4" SS Bottom Rail Stiffener Bar (See BOM Item No. 27)	MULTI-POINT W/TWO KEEPERS	Wood/Metal *	Clip	4"	5	12.9"	3	13.8"
				Concrete/CMU		4"	6	10.3"	3	13.8"
				Wood/Concrete/CMU	Thru-Frame	4"	6	10.3"	3	13.8"
				Metal *		4"	5	12.9"	3	13.8"
59 1/2" x 35 1/2"	+60/-65	1/4" x 1" x 38-3/4" SS Bottom Rail Stiffener Bar (See BOM Item No. 27)	MULTI-POINT W/ONE KEEPER PER	Wood/Metal *	Clip	4"	5	12.9"	3	13.8"
				Concrete/CMU		4"	6	10.3"	3	13.8"
				Wood/Concrete/CMU	Thru-Frame	4"	6	10.3"	3	13.8"
				Metal *		4"	5	12.9"	3	13.8"
41 3/8" x 35 1/2"	+70/-75	None	MULTI-POINT W/TWO	Wood/Concrete/CMU/Metal *	Clip	4"	3	16.7"	3	13.8"
				Wood/Concrete/CMU	Thru-Frame	4"	4	11.2"	3	13.8"
				Metal *		4"	3	16.7"	3	13.8"
41 3/8" x 32 3/8"	+70/-75	None	MULTI-POINT W/ONE	Wood/Concrete/CMU/Metal *	Clip	4"	3	16.7"	3	12.2"
				Wood/Concrete/CMU	Thru-Frame	4"	4	11.2"	3	12.2"
				Metal *		4"	3	16.7"	3	12.2"

* METAL SUBSTRATES INCLUDE THE FOLLOWING:

- (a) 20 GAUGE (0.0346" MIN. THK.) STEEL INCLUDING STEEL STUDS, ASTM A-653 STEEL, 33 KSI YIELD STRENGTH STEEL OR BETTER
- (b) 1/8" MIN. THK. ASTM A-36 STEEL, 36 KSI YIELD STRENGTH STEEL OR BETTER

(c) 0.060" MIN. THK. 6063-T5 ALUMINUM OR BETTER

INSTALLATION ANCHOR SCHEDULE

INSTALLATION TYPE	FASTENER HEAD TYPE	FASTENER SIZE	SUBSTRATE	MANUFACTURER AND/OR SPECIFICATION	EMBEDMENT (IN)	EDGE DISTANCE (IN)	ANCHOR CAPACITIES BASED ON
INSTALLATION CLIP OR THRU-FRAME	PAN OR HEX HEAD	3/16"	CONCRETE	ITW TAPCONS (1)	1-1/2"	1-1/8"	MIN. 2000 PSI CONCRETE
				ELCO ULTRACONS	1-3/8"	1"	MIN. 2500 PSI CONCRETE
				HILTI KWIK-CON II+	1-3/4"	1-1/8"	MIN. 2000 PSI CONCRETE
			MASONRY (BLOCK/CMU)	ITW TAPCONS (1)	1"	2"	STRENGTH CONFORMANCE TO ASTM C-90, MEDIUM WEIGHT, DENSITY > 117 PDF
				ELCO ULTRACONS	1-1/4"	1"	
				HILTI KWIK-CON II+	1"	1-1/8"	
THRU-FRAME	PAN OR HEX HEAD	NO. 10	WOOD	ANSI B18.6.1 (WOOD SCREW) (2) (4)	1-3/8"	3/4" LATERAL (3)	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.55.
INSTALLATION CLIP, INSTALLATION CLIP - BENT	PAN OR HEX HEAD	NO. 10	WOOD	ANSI B18.6.1 (WOOD SCREW) (2) (4)	1-3/8"	3/4" LATERAL 1/2" WITHDRAWAL (3)	WOOD WITH A MINIMUM SPECIFIC GRAVITY OF 0.55.
				ASME B18.6.4 (TAPPING SCREW) (2) (4)			
INSTALLATION CLIP, INSTALLATION CLIP - BENT OR THRU-FRAME	PAN OR HEX HEAD	NO. 10	20 GAUGE (0.0346" MIN. THK.) STEEL INCLUDING STEEL STUDS	ASME B18.6.4 (TAPPING SCREW) (4)	FULLY PENETRATE SUBSTRATE WITH 3 THREADS PROTRUDING INTERNALLY	5/16"	ASTM A-653 STEEL, 33 KSI YIELD STRENGTH STEEL OR BETTER
			1/8" MIN. THK. A-36 STEEL OR BETTER	ASME B18.6.4 (TAPPING SCREW) (4)		5/16"	ASTM A-36 STEEL, 36 KSI YIELD STRENGTH STEEL OR BETTER
			1/8" MIN. THK. 6063-T5 ALUMINUM OR BETTER	ASME B18.6.4 (TAPPING SCREW) (4)		3/8"	6063-T5 ALUMINUM OR BETTER

NOTES:

- 1) WHEN ITW TAPCONS ARE USED FOR CONCRETE/MASONRY INSTALLATION, THEY SHALL BE THE ADVANCED THREADFORM TECHNOLOGY TYPE.
- 2) FOR WOOD AND TAPPING SCREWS INSTALLATION INTO WOOD SUBSTRATE; IF SPLITTING IS A CONCERN, DRILL 7/64" PILOT HOLE FOR LATERAL APPLICATIONS AND 3/32" FOR WITHDRAWAL APPLICATIONS. SEE NOTE 3 BELOW FOR FURTHER DEFINITION.
- 3) LATERAL IS APPLICABLE TO INSTALLATION CLIP AND THRU-FRAME; WITHDRAWAL IS APPLICABLE TO INSTALLATION CLIP - BENT.
- 4) WOOD AND TAPPING SCREWS SHALL CONFORM TO A GRADE 5 STRENGTH OF 92 KSI YIELD STRENGTH AND 120 KSI ULTIMATE STRENGTH.

NOTES:

1. **INSTALLATION ANCHOR SCHEDULE**
- 1.1. THIS TABLE LISTS APPROVED ANCHOR SPECIFICATIONS BASED ON THE INSTALLATION TYPE AND SUBSTRATE.
2. **350 SERIES AWNING WINDOW INSTALLATION REQUIREMENTS**
- 2.1. THIS TABLE LISTS THE FOLLOWING INFORMATION.
- 2.1.1. DESIGN PRESSURE (PSF).
- 2.1.2. END DISTANCE (ED) OF ANCHORS AT FRAME ENDS AS DIMENSIONED ON ELEVATION DRAWINGS.
- 2.1.3. MAXIMUM O.C. (ON CENTER) SPACING FOR ANCHORS BETWEEN THE FRAME END ANCHORS DIMENSIONED ON ELEVATION DRAWINGS.
- 2.1.1.1. QUANTITY OF ANCHORS BASED ON MEETING THE O.C. SPACING REQUIREMENTS.
- 2.1.2. MAXIMUM WINDOW SIZES (W x H)
- 2.2. ANCHOR QUANTITIES AND SPACINGS SHOWN ARE BASED ON ANCHOR SPACING USED IN TESTING OR REQUIRED BY LOADING AT DESIGN PRESSURE.
- 2.3. FOR WINDOW SIZES SMALLER THAN THOSE SHOWN, ANCHOR QUANTITIES CAN BE REDUCED WHILE MAINTAINING EDGE DISTANCE AND O.C. SPACING REQUIREMENTS.
3. **350 SERIES AWNING WINDOW DESIGN PRESSURE OPTIONS**
- 3.1. WINDOW WAS TESTED WITH MULTI-POINT LOCK USING EITHER TWO KEEPERS PER JAMB OR ONE KEEPER PER JAMB ALLOWING FOR MULTIPLE OPTIONS AT DESIGN PRESSURES OF EITHER +60/-65 PSF OR +70/-75 PSF.
- 3.2. THREE INSTALLATION ELEVATIONS ARE SHOWN ON SHEETS 3, 4 AND 4A REPRESENTING THE FOLLOWING.
- 3.2.1. MULTI-POINT LOCK USING TWO KEEPERS PER JAMB
- 3.2.1.1. DP IS +70/-75 PSF FOR ALL WINDOW SIZES ENVELOPED BY TESTING MAXIMUM WINDOW SIZE (SHEET 3) AND INTERMEDIATE WINDOW SIZE (SHEET 4).
- 3.2.1.2. SNUBBER SPACING VARIES BASED ON WINDOW WIDTH AND IS SHOWN IN TABLES ON SHEET 3 AND 4.
- 3.2.2. MULTI-POINT LOCK USING ONE KEEPER PER JAMB
- 3.2.2.1. DP IS +60/-65 PSF FOR MAX WINDOW SIZE (SHEET 3) AND SIZES SMALLER DOWN TO/NOT INCLUDING INTERMEDIATE WINDOW SIZE (SHEET 4A).
- 3.2.2.2. DP IS +70/-75 PSF FOR INTERMEDIATE WINDOW SIZE (SHEET 4A) AND SMALLER.
- 3.2.2.3. SNUBBER SPACING VARIES BASED ON WINDOW WIDTH AND IS SHOWN IN TABLES ON SHEET 3 AND 4A.

PROJECT # 414-0609

PELLA CORPORATION

102 MAIN STREET

PELLA, IA 50219

TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT

GENERAL NOTES, INSTALLATION NOTES & TABLE OF CONTENTS

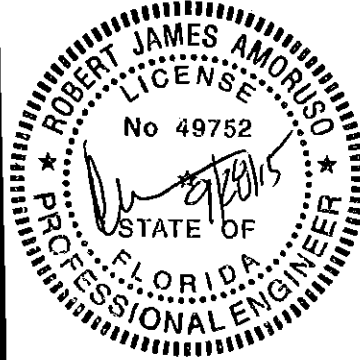
PREPARED BY: RJA DATE: 12/27/12

SCALE: N.T.S. DRAWING NO: PELL0025

REV: C SHEET: 2 OF 14

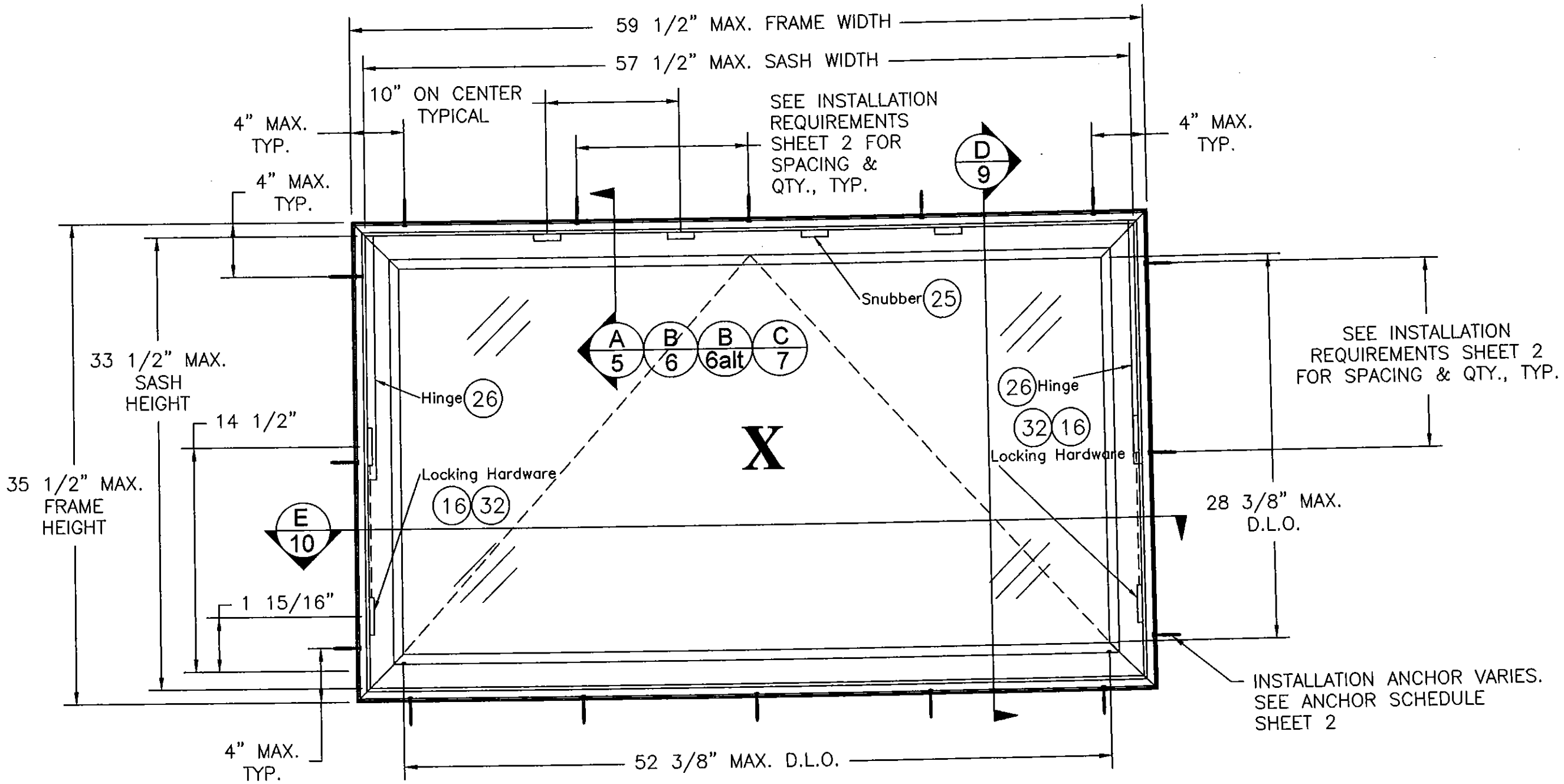
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 15-0401.06 Expiration Date 02.10.2018 By: Manuel Moya Miami Dade Product Control

Robert J. Amoroso, P.E. Florida P.E. No. 49752



LOCKING ASSEMBLY OPTION - MULTI-POINT W/TWO KEEPERS PER JAMB			
FRAME WIDTH RANGE (IN)	FRAME HEIGHT RANGE (IN)	SNUBBER SPACING (IN)	DP (psf)
≥ 17.5 TO < 35.625	$TO \leq 35.5$	CENTERED	+70/-75
≥ 35.625 TO ≤ 41.375		12	
> 41.375 TO ≤ 59.5		10	

LOCKING ASSEMBLY OPTION - MULTI-POINT W/ONE KEEPER PER JAMB			
FRAME WIDTH RANGE (IN)	FRAME HEIGHT RANGE (IN)	SNUBBER SPACING (IN)	DP (psf)
≥ 17.5 TO < 35.625	$TO \leq 32.375$	CENTERED	+70/-75
≥ 17.5 TO < 35.625	> 32.375 TO ≤ 35.5	CENTERED	+60/-65
≥ 35.625 TO ≤ 41.375	$TO \leq 32.375$	12	+70/-75
> 41.375 TO ≤ 59.5	> 32.375 TO ≤ 35.5	12	+60/-65



350 SERIES VINYL AWNING WINDOW

EXTERIOR VIEW

BLOCK FRAME SHOWN, FLANGE AND FIN FRAMES ALSO APPROVED

PROJECT # 414-0609

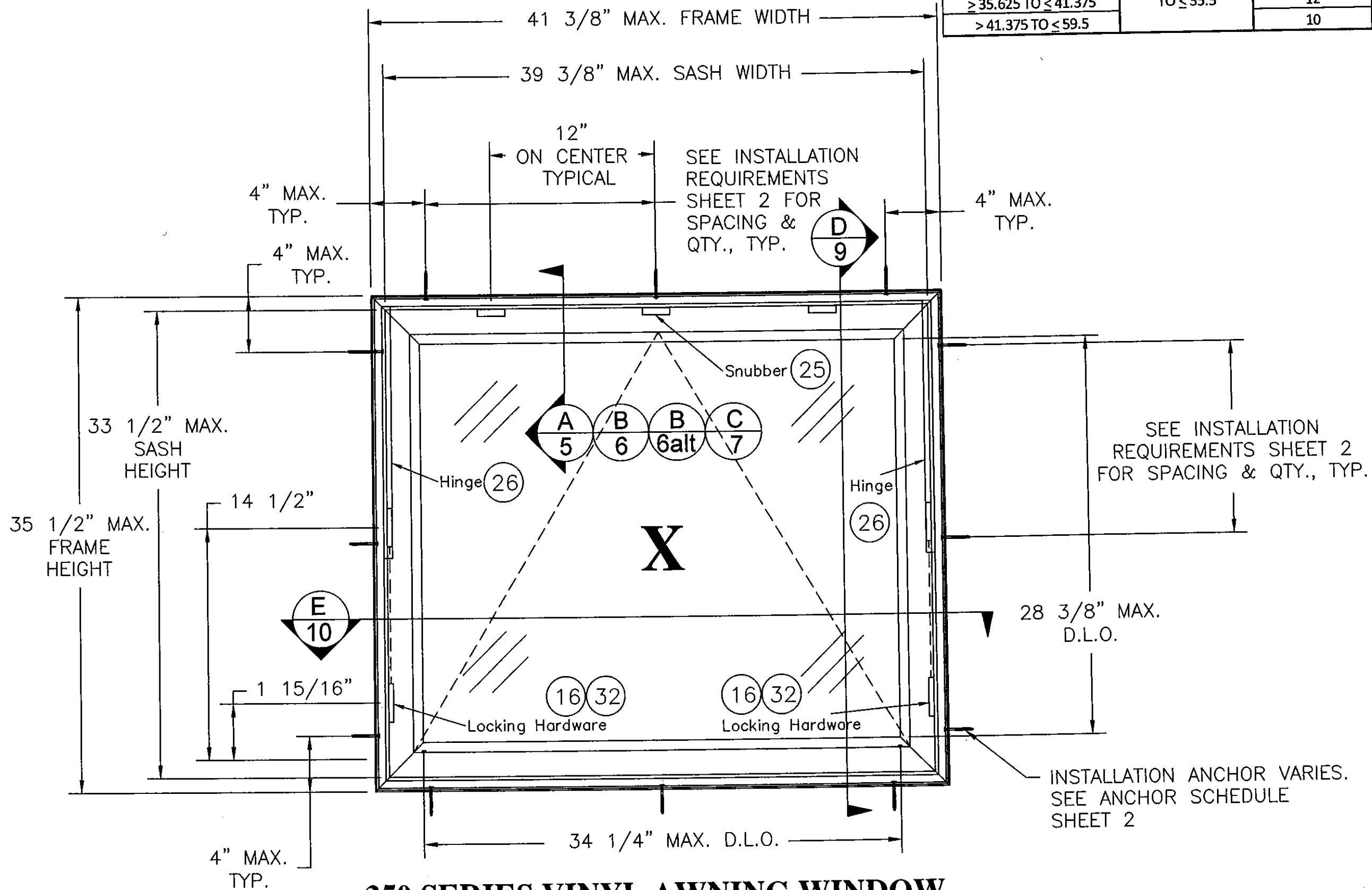
REV	DESCRIPTION	DATE	BY
C	UPDATED FOR MD COMMENTS	9/28/15	RJA
B	UPDATE TO 5TH EDITION (2014) FBC	3/16/15	RJA
A	REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13	9/23/13	RJA

PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219		DATE:	12/27/12
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT 35 1/2" X 71 1/2" ELEVATION AND ANCHORING LAYOUT		DRAWING NO:	PELL0025
PREPARED BY:	RJA	SCALE:	N.T.S.
DRAWN BY:	RJA	REV:	C
DATE:	12/27/12	SHEET:	3 OF 14

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0401-06
Expiration Date OCT 10, 2018
By *[Signature]*
Miami Dade Product Control


Robert J. Amoruso, P.E.
Florida P.E. No. 49752

ROBERT JAMES AMORUSO
LICENSE
No 49752
9/28/15
STATE OF
FLORIDA
PROFESSIONAL ENGINEER



LOCKING ASSEMBLY OPTION - MULTI-POINT W/TWO KEEPERS PER JAMB			
FRAME WIDTH RANGE (IN)	FRAME HEIGHT RANGE (IN)	SNUBBER SPACING (IN)	DP (psf)
≥ 17.5 TO < 35.625	TO ≤ 35.5	CENTERED	+70/-75
≥ 35.625 TO ≤ 41.375		12	
> 41.375 TO ≤ 59.5		10	

PROJECT # 414-0609			
RJA	RJA	RJA	BY
9/28/15	3/16/15	9/23/13	DATE
UPDATED FOR MD COMMENTS	UPDATE TO 5TH EDITION (2014) FBC	REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13	DESCRIPTION
C	B	A	REV

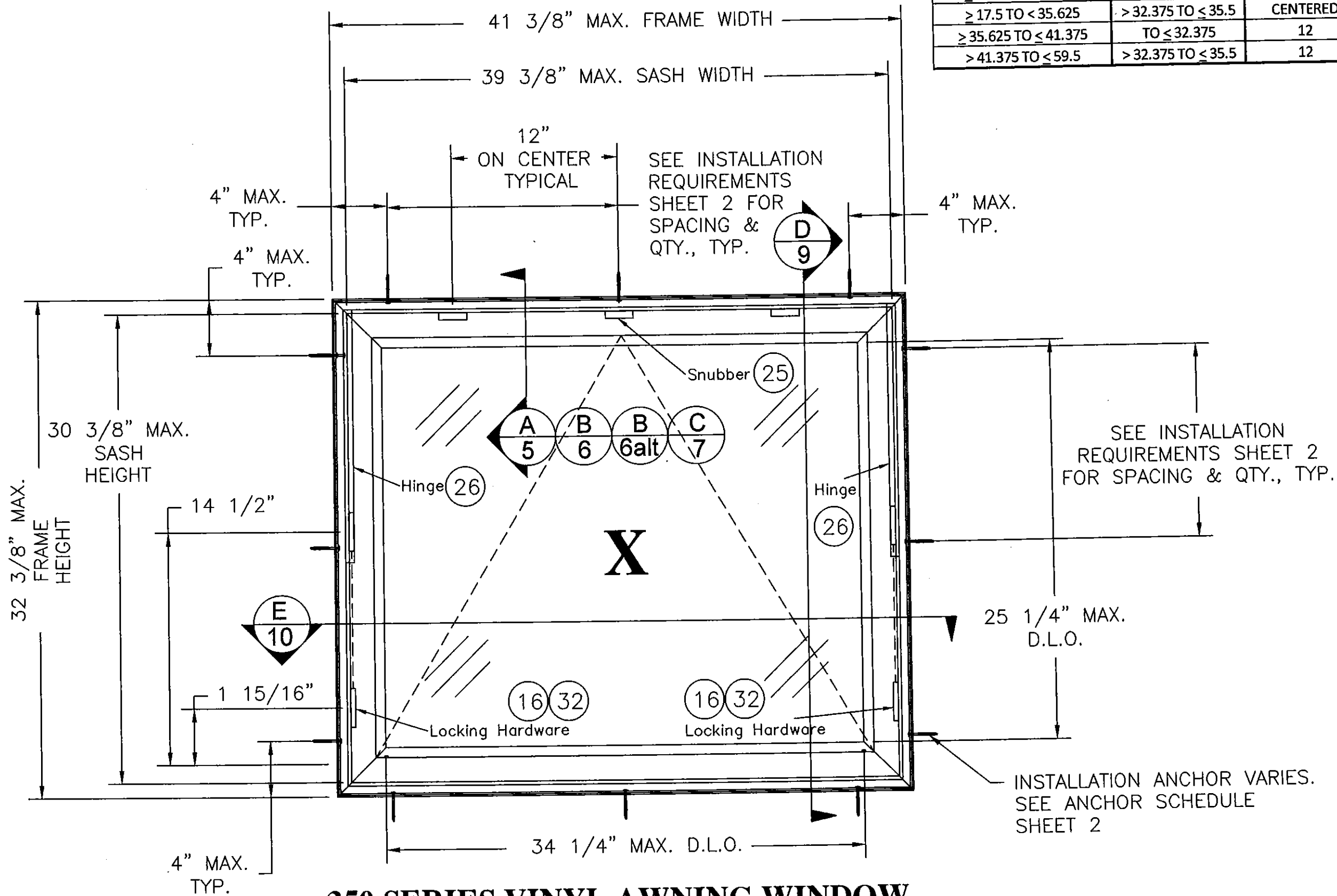
PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219			
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT 35 1/2" X 65 1/2" ELEVATION AND ANCHORING LAYOUT			
DATE: 12/27/12		DRAWING NO: PELL0025	
DRAWN BY: RJA		SCALE: N.T.S.	
REV: C		SHEET: 4 OF 14	
			
PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com FBCPE C.A. NO. 25935			

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0401.06
Expiration Date Oct 10, 2018
By *Manuel Diaz*
Miami Dade Product Control

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

350 SERIES VINYL AWNING WINDOW
EXTERIOR VIEW
BLOCK FRAME SHOWN, FLANGE AND FIN FRAMES ALSO APPROVED

LOCKING ASSEMBLY OPTION - MULTI-POINT W/ONE KEEPER PER JAMB			
FRAME WIDTH RANGE (IN)	FRAME HEIGHT RANGE (IN)	SNUBBER SPACING (IN)	DP (psf)
≥ 17.5 TO < 35.625	TO ≤ 32.375	CENTERED	+70/-75
≥ 17.5 TO < 35.625	> 32.375 TO ≤ 35.5	CENTERED	+60/-65
≥ 35.625 TO ≤ 41.375	TO ≤ 32.375	12	+70/-75
> 41.375 TO ≤ 59.5	> 32.375 TO ≤ 35.5	12	+60/-65



350 SERIES VINYL AWNING WINDOW

EXTERIOR VIEW

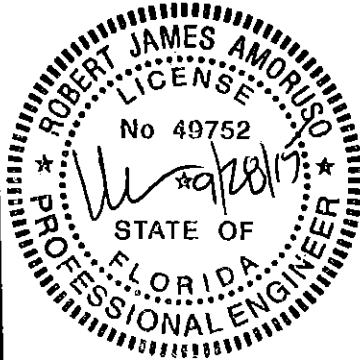
BLOCK FRAME SHOWN, FLANGE AND FIN FRAMES ALSO APPROVED

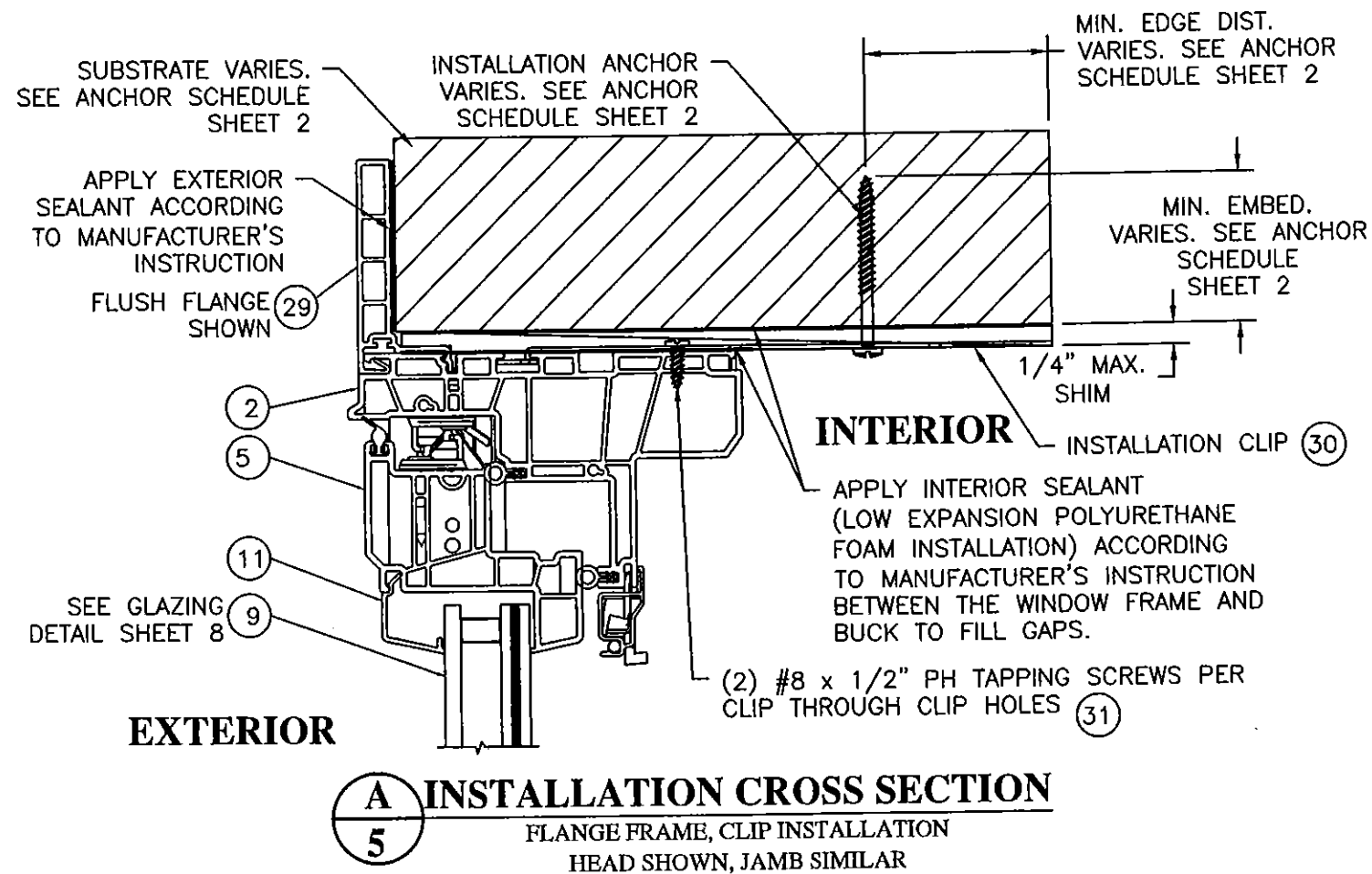
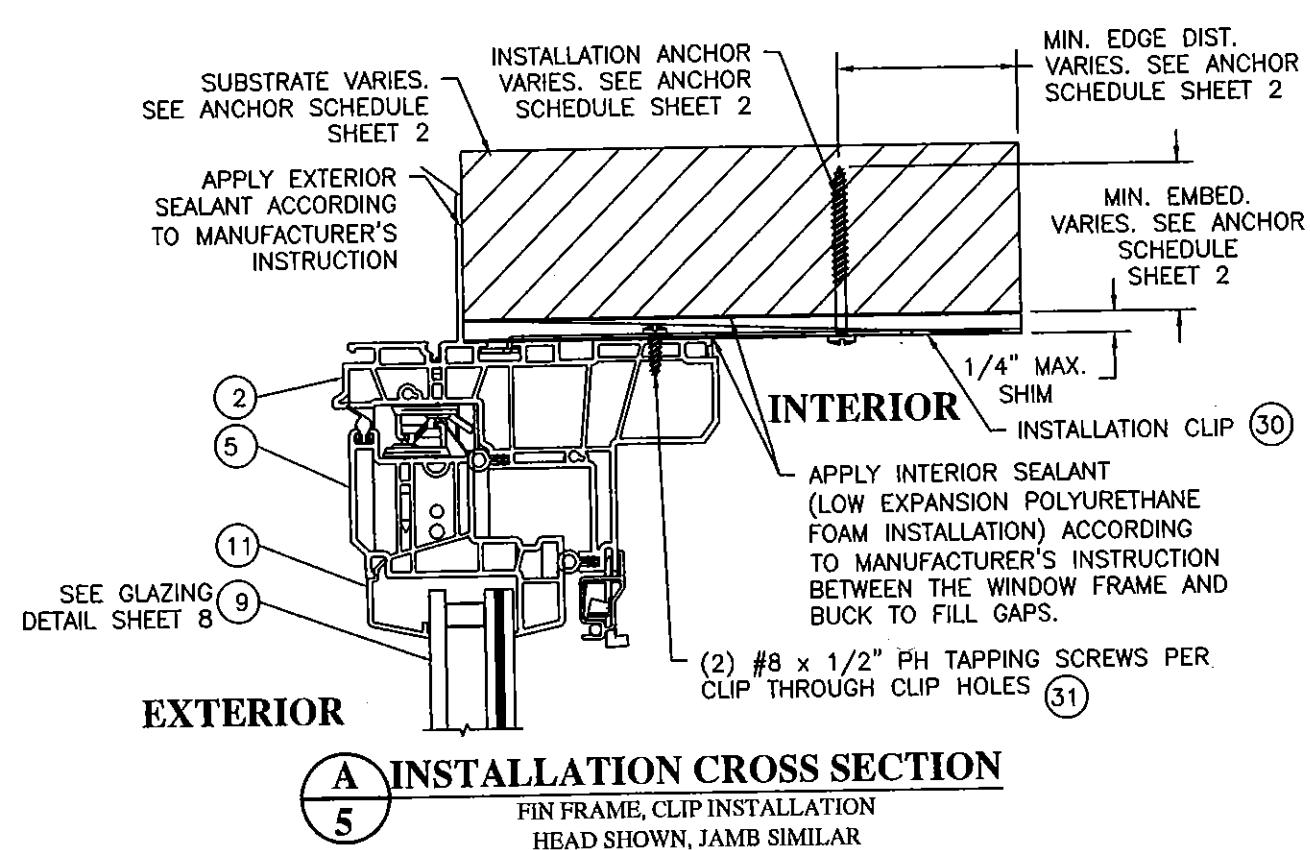
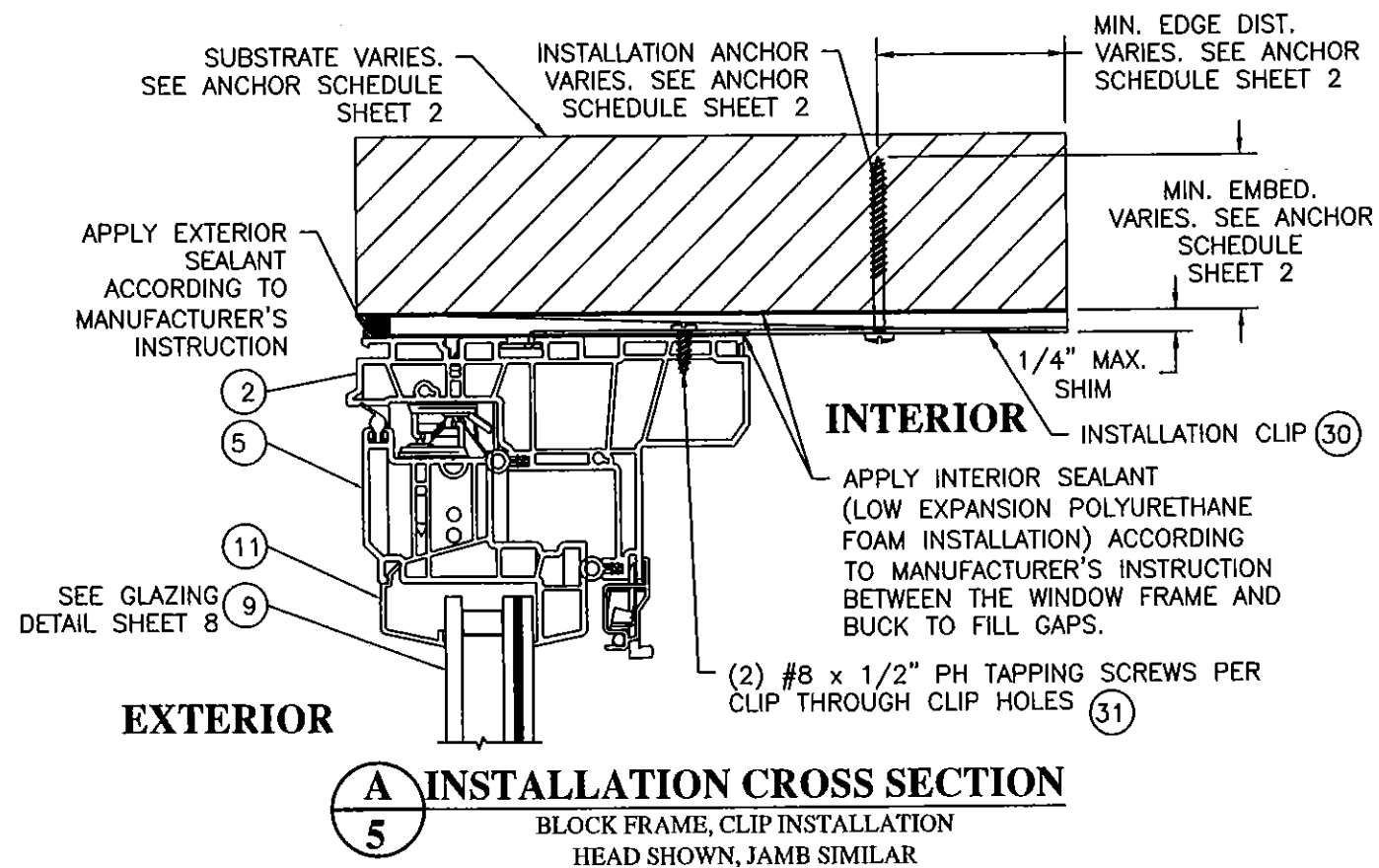
PROJECT # 414-0609			
REV	DESCRIPTION	DATE	BY
C	UPDATED FOR MD COMMENTS	9/28/15	RJA
B	UPDATE TO 5TH EDITION (2014) FBC	3/16/15	RJA
A	REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13	9/23/13	RJA

PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219			
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT 35 1/2" X 65 1/2" ELEVATION AND ANCHORING LAYOUT			
PREPARED BY:	DRAWN BY: RJA	DATE: 12/27/12	
SCALE: N.T.S.	DRAWING NO: PELL0025		
REV: C	SHEET: 4A OF 14		

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0401.06
Expiration Date 02.10.2018
By Manuel Perez
Miami Made Product Control

Robert J. Amoruso, P.E.
Florida P.E. No. 49752



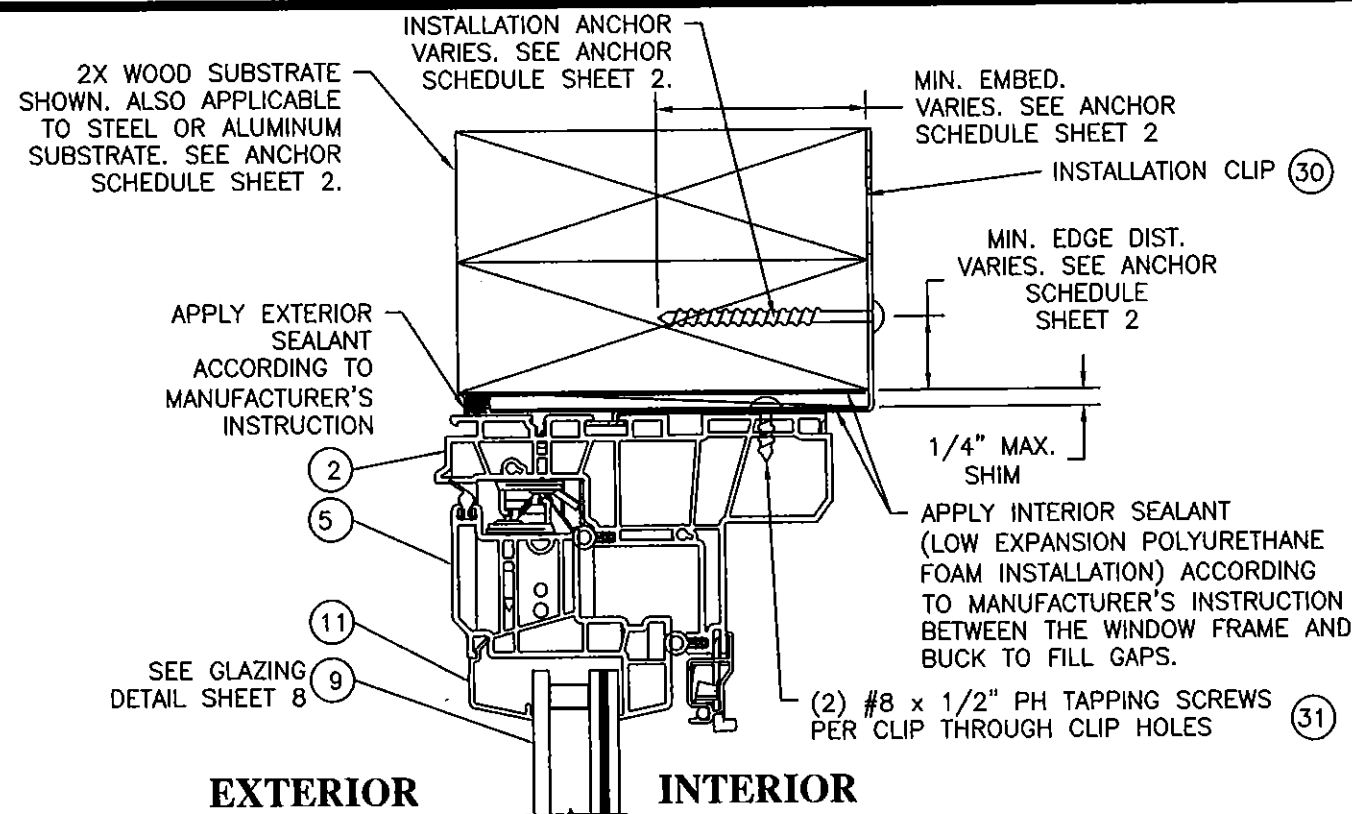


PROJECT # 414-0609		RJA	RJA	RJA	BY
UPDATED FOR MD COMMENTS	9/28/15				DATE
UPDATE TO 5TH EDITION (2014) FBC	3/16/15				
REVISED PER MIAMI-DADE COMMENTS RECD 4/11/13	9/23/13				
DESCRIPTION					
REV					
PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219		DRAWN BY: RJA		DATE: 12/27/12	
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT CLIP INSTALLATION SECTIONS		SCALE: N.T.S.		DRAWING NO: PELL0025	
PREPARED BY:		REV: C		SHEET: 5 OF 14	
PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 PHONE: 321.980.1788 FAX: 321.980.1789 EMAIL: info@ptc-corp.com		FPE			

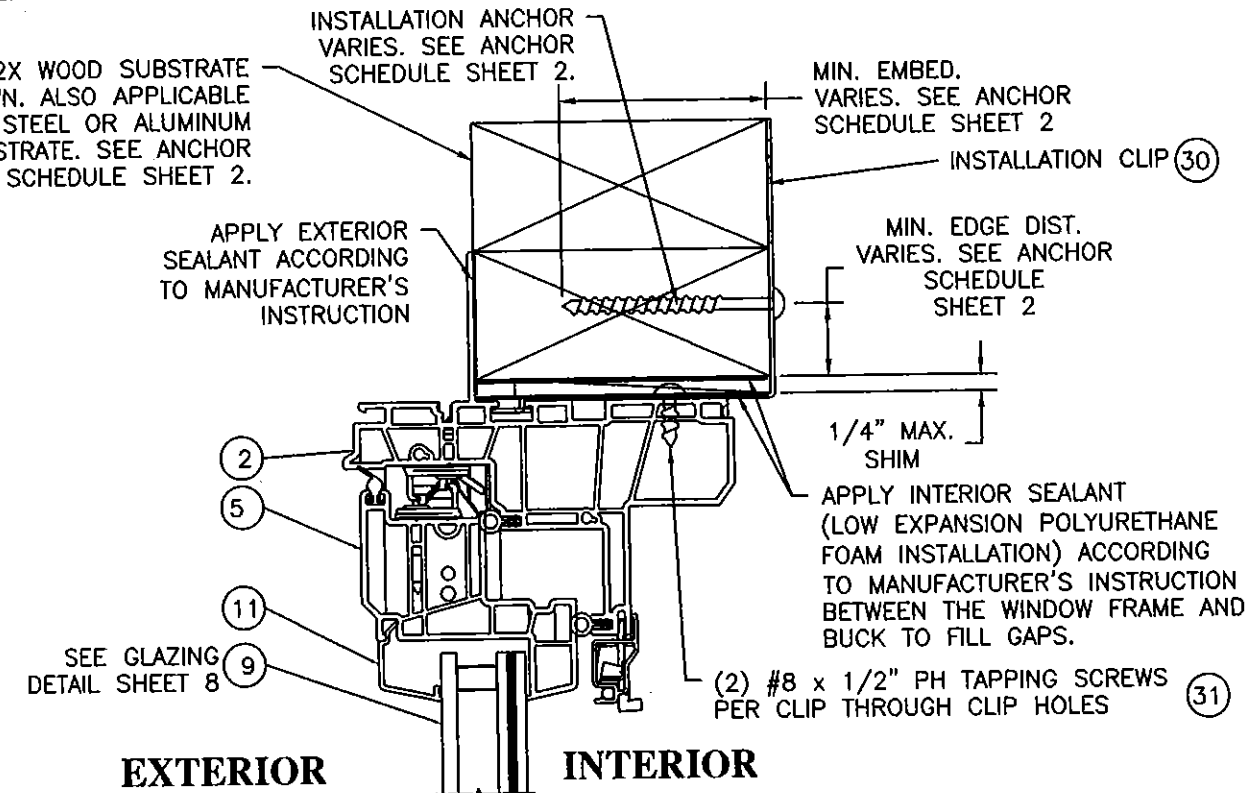
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 15-0401.06
Expiration Date 07.10.2018
By *Manuel Perez*
Miami Dade Product Control

Robert J. Amoroso, P.E.
Florida P.E. No. 49752

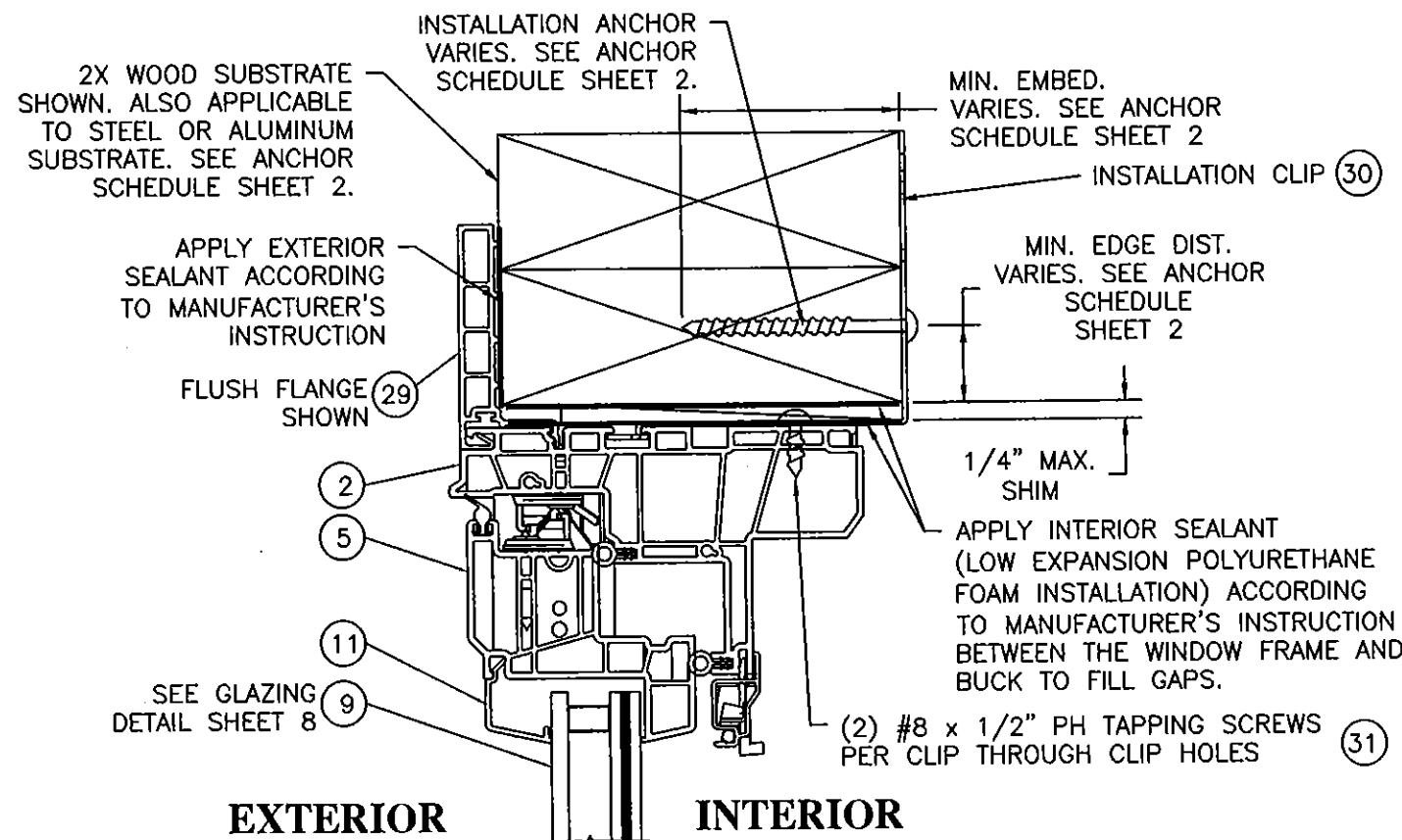
PROF. JAMES AMOROSO
LICENSE
No 49752
STATE OF
FLORIDA
PROFESSIONAL ENGINEER



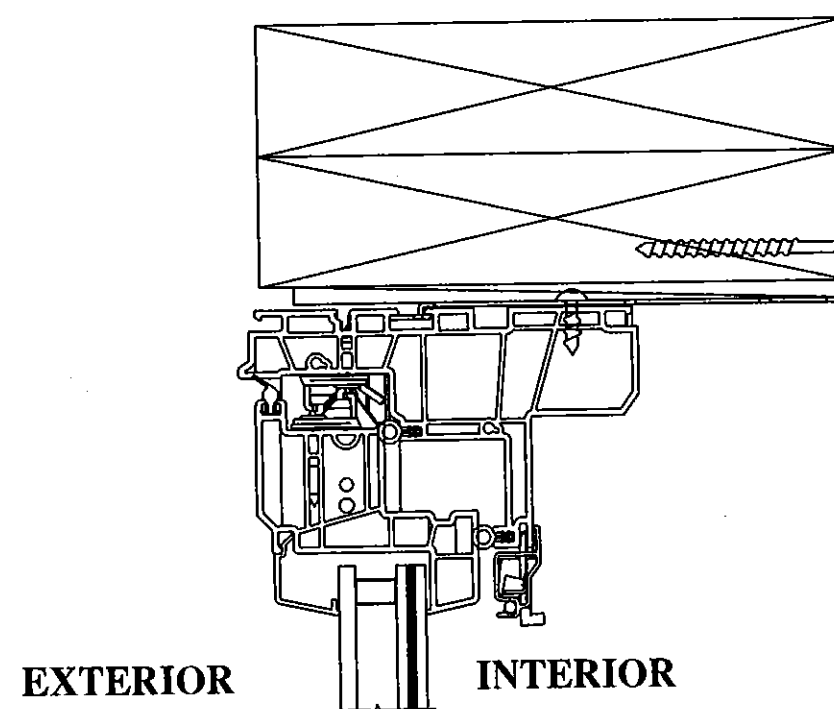
B
6
INSTALLATION CROSS SECTION
BLOCK FRAME, BENT CLIP INSTALLATION
HEAD SHOWN, JAMB SIMILAR



B
6
INSTALLATION CROSS SECTION
FIN FRAME, BENT CLIP INSTALLATION
HEAD SHOWN, JAMB SIMILAR



B
6
INSTALLATION CROSS SECTION
FLANGE FRAME, BENT CLIP INSTALLATION
HEAD SHOWN, JAMB SIMILAR



B
6alt
ALTERNATE INSTALLATION CROSS SECTION
BLOCK FRAME SHOWN
(ALSO APPLICABLE TO FIN AND FLANGE FRAME)
ALTERNATE BENT CLIP INSTALLATION
HEAD SHOWN, JAMB SIMILAR
SEE OTHER B SECTIONS FOR DETAILS

PROJECT # 414-0609

REV	DESCRIPTION	DATE	BY
C	UPDATE FOR MD COMMENTS	9/28/15	RJA
B	UPDATE TO 5TH EDITION (2014) FBC	3/16/15	RJA
A	REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13	9/23/13	RJA

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT
BENT CLIP INSTALLATION SECTIONS

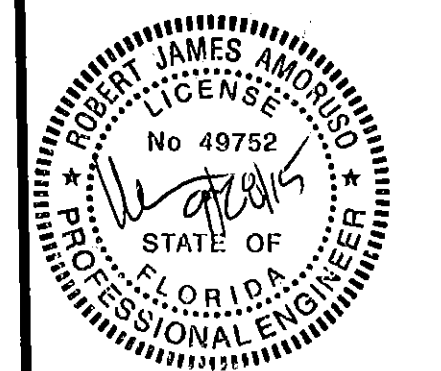
DATE:	12/27/12
DRAWN BY:	RJA
SCALE:	N.T.S.
REV:	C
DRAWING NO:	PELL0025
SHEET:	6 OF 14

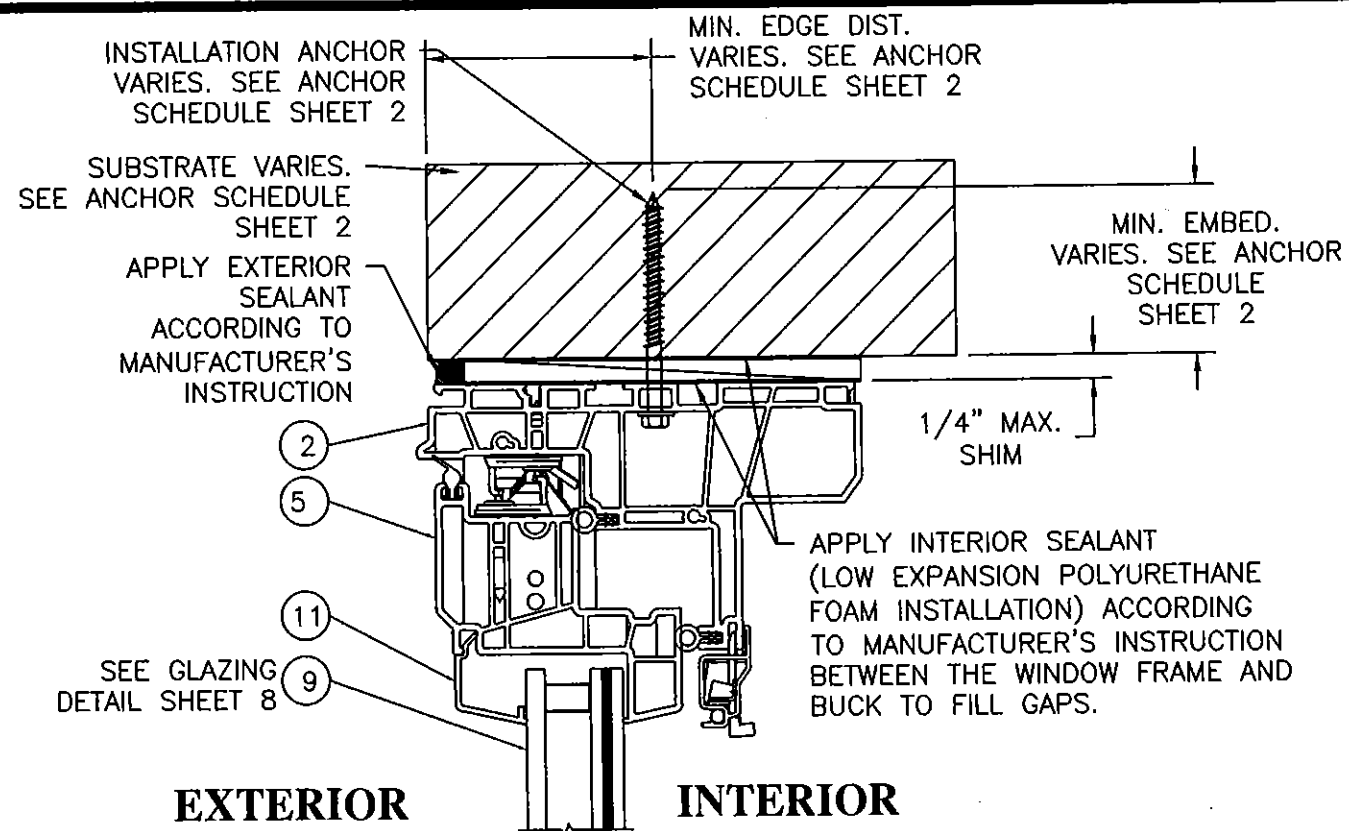
PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FLORIDA 32752
Phone: 321.680.1788
Fax: 321.680.1789
Email: info@ptc-corp.com

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No _____
Expiration Date _____

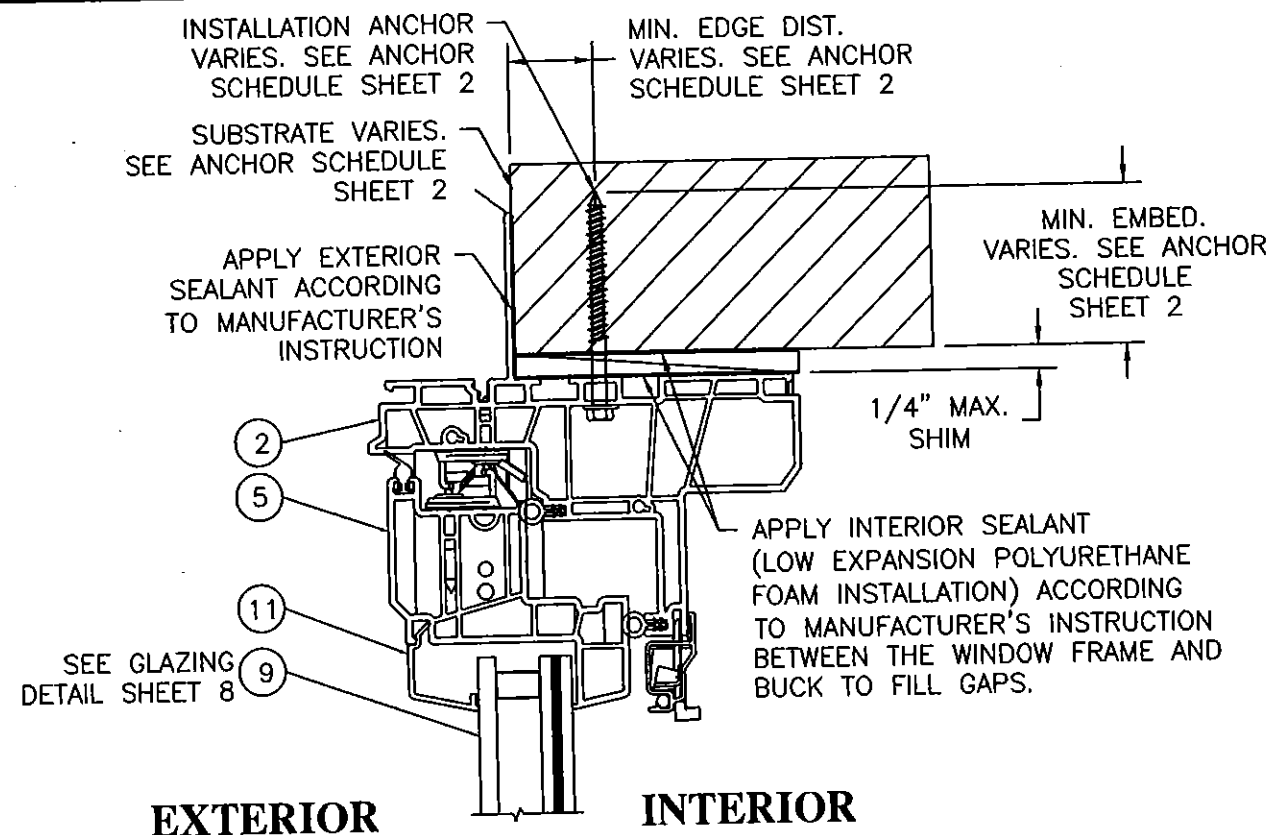
By _____
Miami Dade Product Control

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

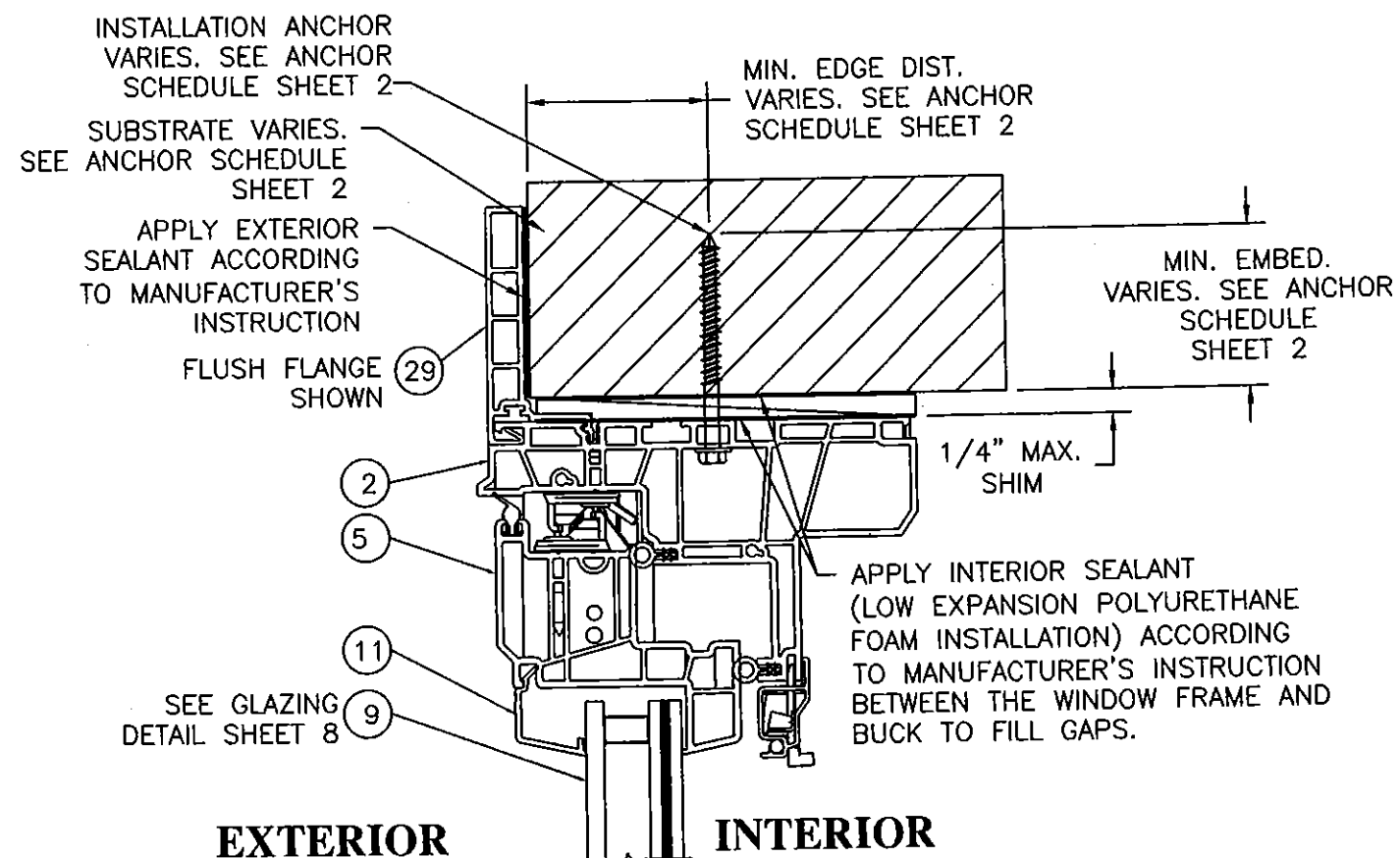




EXTERIOR **INTERIOR**
C **7** **INSTALLATION CROSS SECTION**
 BLOCK FRAME, THRU FRAME INSTALLATION
 HEAD SHOWN, JAMB SIMILAR



EXTERIOR **INTERIOR**
C **7** **INSTALLATION CROSS SECTION**
 FIN FRAME, THRU FRAME INSTALLATION
 HEAD SHOWN, JAMB SIMILAR



EXTERIOR **INTERIOR**
C **7** **INSTALLATION CROSS SECTION**
 FLANGE FRAME, THRU FRAME INSTALLATION
 HEAD SHOWN, JAMB SIMILAR

PROJECT # 414-0609

REV	DESCRIPTION	DATE	BY
A	REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13	9/23/13	RJA
B	UPDATE TO 5TH EDITION (2014) FBC	3/16/15	RJA
C	UPDATED FOR MD COMMENTS	9/28/15	RJA

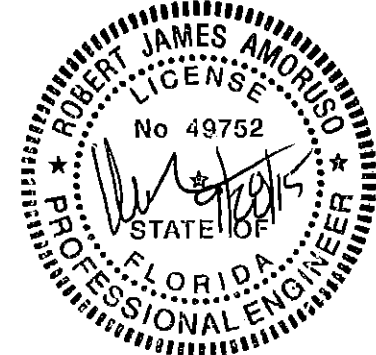
PELLA CORPORATION
 102 MAIN STREET
 PELLA, IA 50219

TITLE 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT
 THRU FRAME INSTALLATION SECTIONS

DATE 12/27/12
 DRAWING NO: PELL0025
 SHEET: 7 OF 14
 DRAWN BY: RJA
 SCALE: N.T.S.
 REV: C

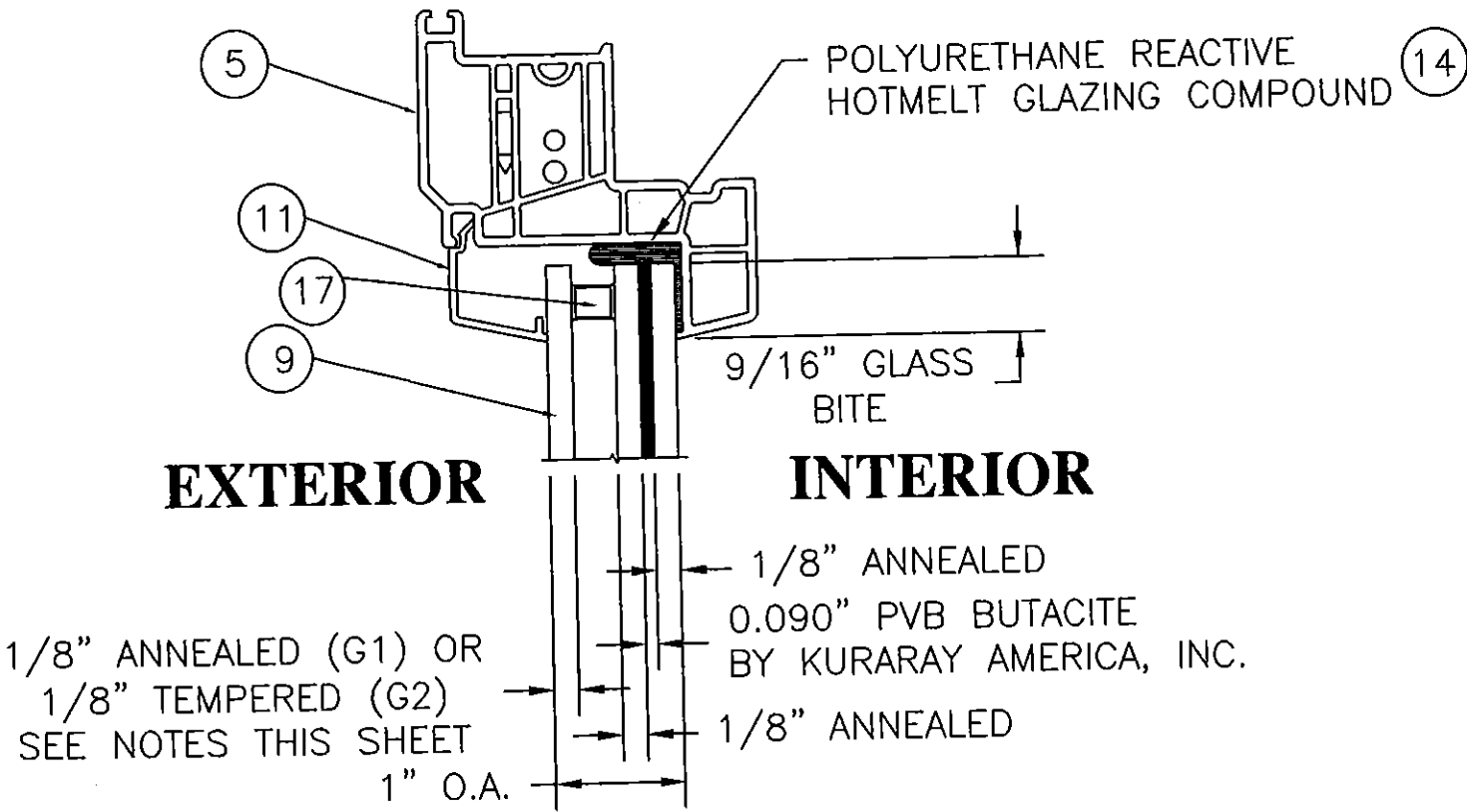
PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No 15-0401.06
 Expiration Date Oct. 10, 2018
 By *Manuel Perez*
 Miami Dade Product Control

Robert J. Amoroso, P.E.
 Florida P.E. No. 49752



GLAZING DETAIL NOTES:

- 1. APPROVED GLAZING CONFIGURATIONS (SEE NOTES 3, 4 AND 5)
 - 1.1. G1 = 1" OA IGU LAMINATED INSULATED GLASS CONSISTING OF THE FOLLOWING FROM EXTERIOR: 1/8" ANNEALED - 9/16" AIR SPACE - 1/8" ANNEALED + 0.090" PVB BUTACITE BY KURARAY AMERICA, INC. + 1/8" ANNEALED. SEE NOTE 3 AND 5 BELOW.
 - 1.2. G2 = 1" OA IGU LAMINATED INSULATED GLASS CONSISTING OF THE FOLLOWING FROM EXTERIOR: 1/8" TEMPERED - 9/16" AIR SPACE - 1/8" ANNEALED + 0.090" PVB BUTACITE BY KURARAY AMERICA, INC. + 1/8" ANNEALED. SEE NOTE 3 AND 4 BELOW.
- 2. SEE TABLE WINDOW SIZE VS. DESIGN PRESSURE ON SHEET 2 FOR APPROVED CONFIGURATIONS. ALL SIZES IN TABLE ARE BASED ON TESTED SIZES AND DO NOT EXCEED THE MAXIMUM WINDOW AREA TESTED.
- 3. GLAZING DETAILS G1 AND G2 MEET LARGE MISSILE IMPACT REQUIREMENTS AT HEIGHTS UP TO 30 FEET ABOVE GRADE AS REQUIRED BY THE 5TH EDITION (2014) FLORIDA BUILDING CODE.
- 4. GLAZING DETAIL G2 MEETS SMALL MISSILE IMPACT REQUIREMENTS AT HEIGHTS GREATER THAN 30 FEET ABOVE GRADE AS REQUIRED BY THE 5TH EDITION (2014) FLORIDA BUILDING CODE.
- 5. GLAZING DETAILS G1 DOES NOT MEET SMALL MISSILE IMPACT REQUIREMENTS AT HEIGHTS GREATER THAN 30 FEET ABOVE GRADE AS REQUIRED BY THE 5TH EDITION (2014) FLORIDA BUILDING CODE.
- 6. A MINIMUM OF TWO (2) NEOPRENE SETTING BLOCKS WITH 70 TO 90 SHORE A DUROMETER HARDNESS ARE REQUIRED AT BOTTOM (SILL) OF GLAZING LITES MORE THAN 3 FEET IN WIDTH IN ACCORDANCE WITH THE 5TH EDITION (2014) FLORIDA BUILDING CODE.



GLAZING DETAIL 1 & 2
RAIL SHOWN - STILE SIMILAR

(SETTING BLOCKS USED AT SILL AS REQUIRED)

PROJECT # 414-0609			
UPDATED FOR MID COMMENTS	9/28/15	RJA	BY
UPDATE TO 5TH EDITION (2014) FBC	3/16/15	RJA	DATE
REVISED PER MIAMI/DADE COMMENTS RECD 4/11/13	9/23/13	RJA	DATE
DESCRIPTION	REV	A	BY

PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219	350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT GLAZING DETAIL AND GLAZING NOTES	DRAWN BY: RJA SCALE: N.T.S. REV: C	DATE: 12/27/12 DRAWING NO: PELL0025 SHEET: 8 OF 14
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PTC PRODUCT DESIGN GROUP, LLC 10000 N. W. 10TH AVE., SUITE 100 FORT LAUDERDALE, FL 33304 PHONE: 321.690.1788 FAX: 321.690.1789 EMAIL: info@ptc-usa.com

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0401.06
Expiration Date Oct. 10, 2018
By *Manuel*
Miami/Dade Product Control

Robert J. Amoroso, P.E.
Florida P.E. No. 49752

ROBERT JAMES AMOROSO
LICENSE
No 49752
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

BILL OF MATERIALS			
ITEM NO.	DESCRIPTION	MATERIAL/VENDOR	QTY
1	FRAME SILL	VINYL (PVC) BY QUANEX BUILDING PRODUCTS PER NOA NO. 12-1017.02	1
2	FRAME HEAD	VINYL (PVC) BY QUANEX BUILDING PRODUCTS PER NOA NO. 12-1017.02	1
3	FRAME LOCK JAMB, LEFT	VINYL (PVC) BY QUANEX BUILDING PRODUCTS PER NOA NO. 12-1017.02	1
4	FRAME LOCK JAMB, RIGHT	VINYL (PVC) BY QUANEX BUILDING PRODUCTS PER NOA NO. 12-1017.02	1
5	SASH TOP RAIL	VINYL (PVC) BY QUANEX BUILDING PRODUCTS PER NOA NO. 12-1017.02	1
6	SASH BOTTOM RAIL	VINYL (PVC) BY QUANEX BUILDING PRODUCTS PER NOA NO. 12-1017.02	1
7	SASH STILE, LEFT	VINYL (PVC) BY QUANEX BUILDING PRODUCTS PER NOA NO. 12-1017.02	1
8	SASH STILE, RIGHT	VINYL (PVC) BY QUANEX BUILDING PRODUCTS PER NOA NO. 12-1017.02	1
9	GLAZING	SEE GLAZING DETAIL SHEET 8	1
10	1" GLAZING BEAD, BOTTOM RAIL, WITH WEEPS	VINYL (PVC) BY QUANEX BUILDING PRODUCTS PER NOA NO. 12-1017.02	1
11	1" GLAZING BEAD, TOP RAIL	VINYL (PVC) BY QUANEX BUILDING PRODUCTS PER NOA NO. 12-1017.02	1
12	1" GLAZING BEAD, STILE	VINYL (PVC) BY QUANEX BUILDING PRODUCTS PER NOA NO. 12-1017.02	2
13	SETTING BLOCK	PVC SEE SHEET 12	AS REQ'D
14	POLYURETHANE REACTIVE HOTMELT GLAZING COMPOUND	HENKEL SA	AS REQ'D
15	MAXIM MULTIPOINT LOCK HANDLE ASSEMBLY	TRUTH HARDWARE	2
16	MAXIM SELF-LOCATING MULTIPOINT TIE BAR ASSEMBLY	TRUTH HARDWARE	2
17	13.5MM (17/32") STAINLESS STEEL SPACER	CARDINAL GLASS	AS REQ'D
18	TPE BULB WEATHERSTRIP 6.9MM (0.27") DIA. - AWNING FRAME	INTEK PLASTICS	AS REQ'D
19	ENCORE ROTO OPERATOR W/CRANK	TRUTH HARDWARE	1
20	AWNING HINGE TRACK - LEFT	TRUTH HARDWARE	1
21	AWNING HINGE TRACK - RIGHT	TRUTH HARDWARE	1
22	FOAM FILLED LEAF SEAL 13MM (0.50") LONG - SASH FRAME	AMESBURY INDUSTRIES	AS REQ'D
23	AWNING OPERATOR TRACK	TRUTH HARDWARE	1
24	AWNING HINGE ARM ASSEMBLY - LEFT OR RIGHT	TRUTH HARDWARE	2
25	SNUBBERS - FRAME HEAD AND SASH TOP RAIL (NOT SHOWN IN SECTION VIEWS)	STAINLESS STEEL	AS REQ'D
26	4-BAR HINGES - SCREW CONNECTED AT SASH STILES AND JAMBS (NOT SHOWN IN SECTION VIEWS)	TRUTH HARDWARE	2
27	REINFORCEMENT/SASH BOTTOM RAIL STIFFENER BAR 1/4" x 1" x 38-3/4"	300 STAINLESS STEEL	SEE NOTE 1
28	#8 X 1-1/4" PH SCREWS (REINFORCEMENT)	FASTENAL CO.	5 (EVENLY SPACED)
29	FLANGE	VINYL (PVC) BY QUANEX BUILDING PRODUCTS PER NOA NO. 12-1017.02	4
	FLUSH FLANGE (SNAP-ON)	VINYL (PVC) BY QUANEX BUILDING PRODUCTS PER NOA NO. 12-1017.02	
	5/8" FLANGE (SNAP-ON)	VINYL (PVC) BY QUANEX BUILDING PRODUCTS PER NOA NO. 12-1017.02	
30	INSTALLATION CLIP	SEE SHEET 12	AS REQ'D
31	#8 x 1/2" TAPPING SCREW	AISI 1018 STEEL	AS REQ'D
32	KEEPERS	OVERLAND PRODUCTS CO. SERIES 300 SS	AS REQ'D
NOTES	1) REQUIRED AT SASH BOTTOM RAIL OF WINDOWS WITH FRAME WIDTH GREATER THAN 41-3/8". SECURED TO SASH BOTTOM RAIL WITH 5 PAN HEAD SCREWS (ITEM NO. 28).		

PROJECT # 414-0609

REV	DESCRIPTION	DATE	BY
C	UPDATED FOR MD COMMENTS	9/28/15	RJA
B	UPDATE TO 5TH EDITION (2014) FBC	3/16/15	RJA
A	REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13	9/23/13	RJA

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

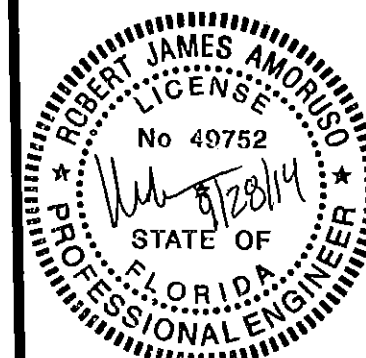
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT
BILL OF MATERIALS

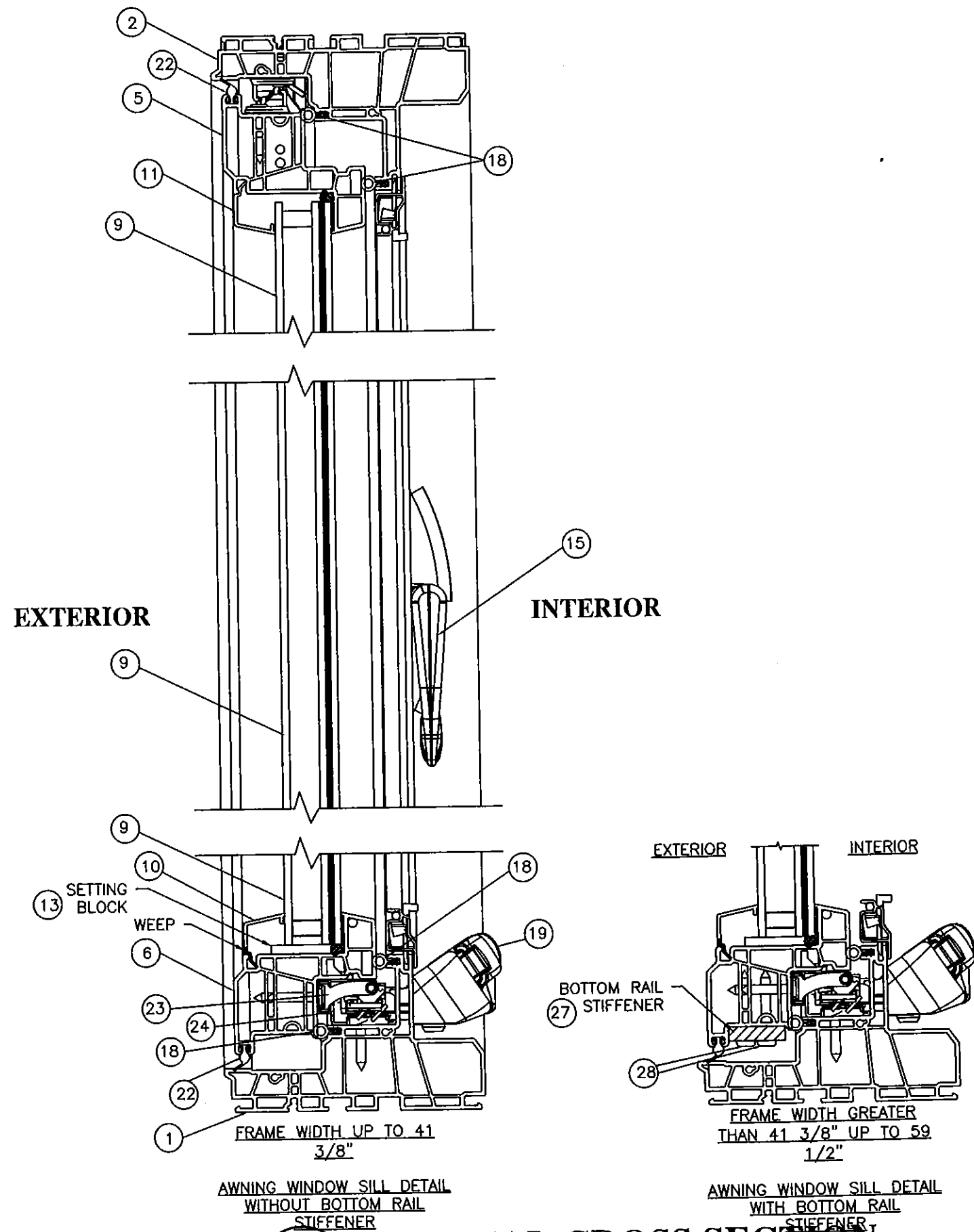
DATE:	12/27/12
DRAWN BY:	RJA
SCALE:	N.T.S.
REV:	C
DRAWING NO:	PELL0025
SHEET:	9 OF 14

PTC PRODUCT DESIGN GROUP, LLC
PO BOX 520775
LONGWOOD, FL 32752
Phone: 321.690.1788
Fax: 321.690.1789
Email: info@ptc-corp.com
FPE C.A. NO. 25835

PRODUCT REVISED
as complying with the Florida
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Acceptance No. 15-0401.06
Expiration Date OCT. 10, 2018
By *Manuel Perez*
Miami/Dade Product Control

Robert J. Amoroso, P.E.
Florida P.E. No. 49752





D **VERTICAL CROSS SECTION**
10 BLOCK FRAME SHOWN, FLANGE AND FIN
 FRAMES ALSO APPROVED

PROJECT # 414-0609			
C	UPDATED FOR MD COMMENTS	9/28/15	RJA
B	UPDATE TO 5TH EDITION (2014) FBC	3/16/15	RJA
A	REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13	9/23/13	RJA
REV	DESCRIPTION	DATE	BY

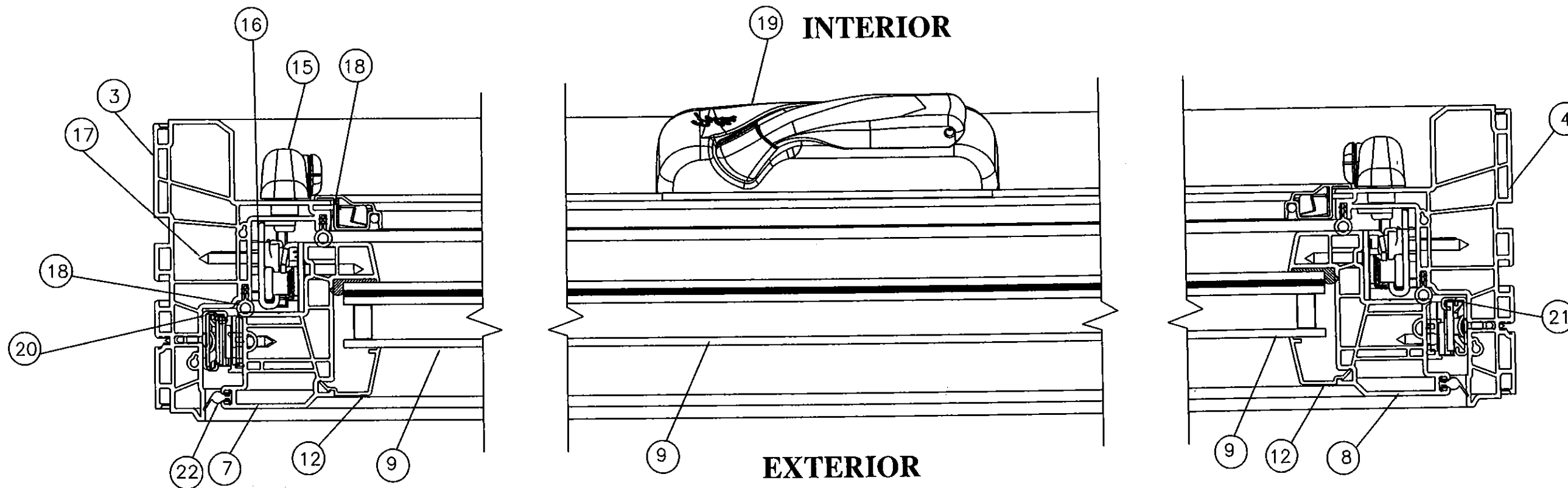
PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219		DATE	12/27/12
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT VERTICAL CROSS SECTION		DRAWING NO.	PELL0025
PREPARED BY:	RJA	SCALE	N.T.S.
		REV:	C
		SHEET:	10 OF 14

PTC PRODUCT DESIGN GROUP, LLC PO BOX 520775 LONGWOOD, FLORIDA 32752 PHONE: 321.680.1786 FAX: 321.690.1788 EMAIL: info@ptc-corp.com	PE
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PRODUCT REVISED
 as complying with the Florida
 Building Code
 Acceptance No **15-0401.06**
 Expiration Date **Oct. 10, 2018**
 By *Manuel Jimenez*
 Miami Dade Product Control

Robert J. Amoroso, P.E.
 Florida P.E. No. 49752

ROBERT J. AMOROSO
 LICENSE
 No 49752
 12/20/15
 STATE OF
 FLORIDA
 PROFESSIONAL ENGINEER



E
11 **HORIZONTAL CROSS SECTION**
BLOCK FRAME SHOWN, FLANGE AND FIN FRAMES
ALSO APPROVED

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0401.06
Expiration Date OCT. 10, 2018
By Manuel Perez
Miami Dade Product Control

Robert J. Amoruso, P.E.
Florida P.E. No. 49752

ROBERT JAMES AMORUSO
LICENSE
No 49752
STATE OF
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PROFESSIONAL ENGINEER

PELLA CORPORATION
102 MAIN STREET
PELLA, IA 50219

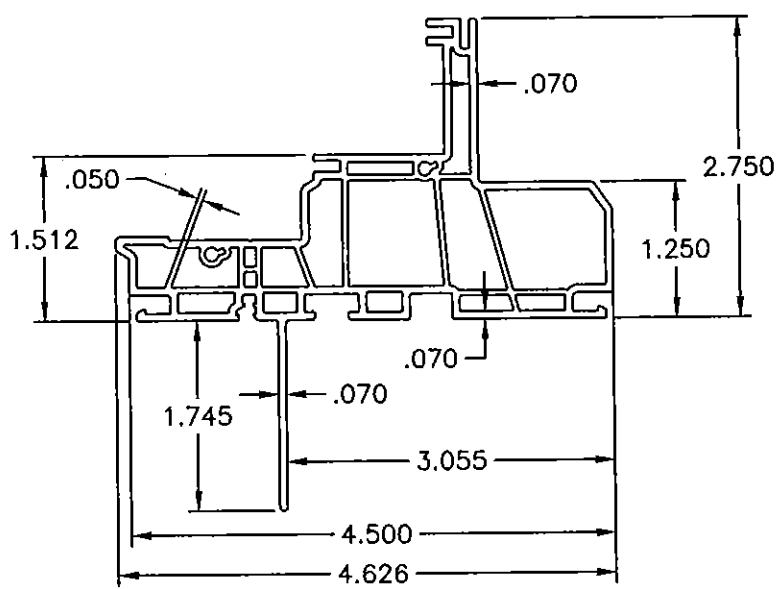
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HORIZONTAL CROSS SECTION

PREPARED BY: PTC
DATE: 12/27/12
DRAWING NO: PELL0025
SCALE: N.T.S.
REV: C
SHEET: 11 OF 14

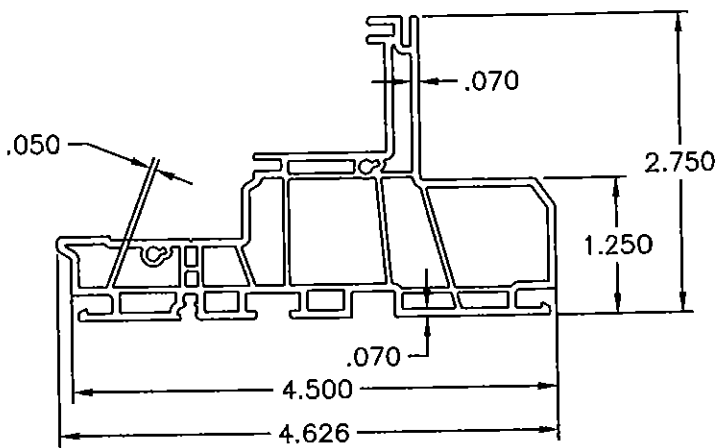
PROJECT # 414-0609

REV	DESCRIPTION	DATE	BY
C	UPDATED FOR MD COMMENTS	9/28/15	RJA
B	UPDATE TO 5TH EDITION (2014) FBC	3/16/15	RJA
A	REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13	9/23/13	RJA

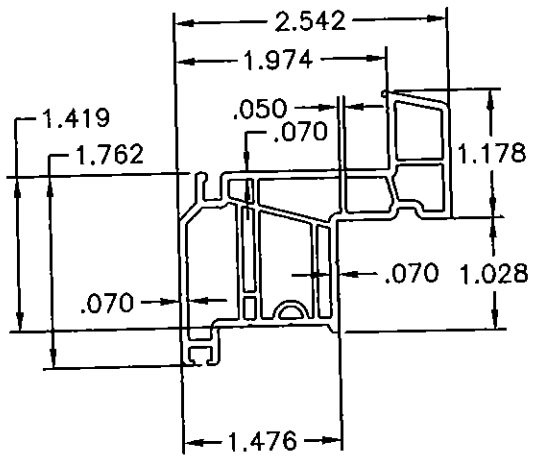
COMPONENT SECTIONS



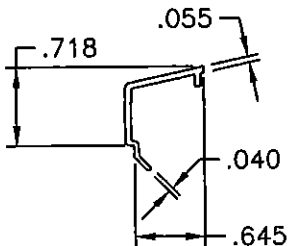
FIN FRAME/HEAD,
SILL OR JAMB
① ② ③ ④



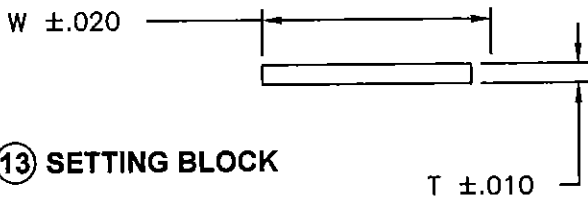
BLOCK FRAME/HEAD,
SILL OR JAMB
① ② ③ ④



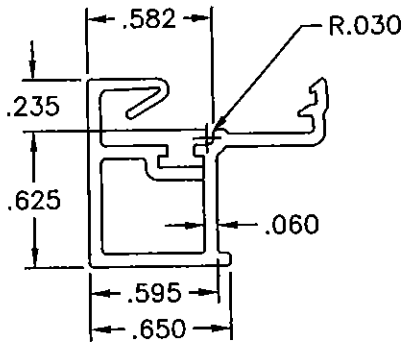
SASH TOP AND
BOTTOM RAILS, STILES
⑤ ⑥ ⑦ ⑧



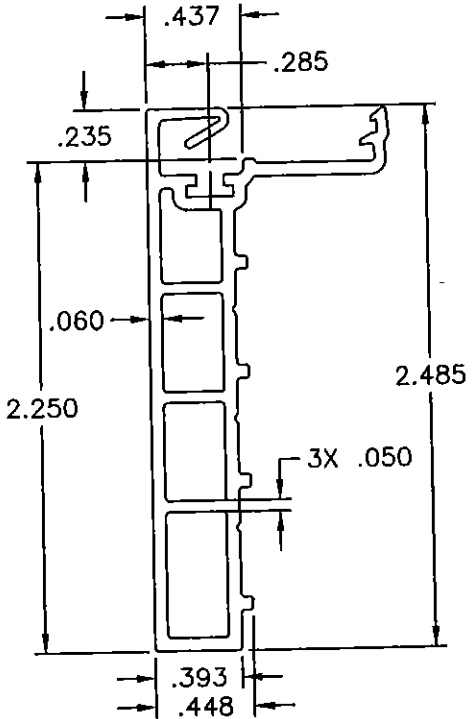
GLAZING BEAD
⑩ ⑪ ⑫



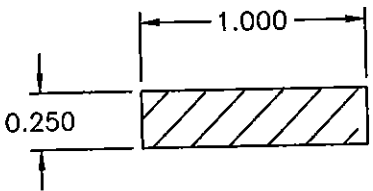
⑬ SETTING BLOCK
MATERIAL: PVC
HARDNESS: SHORE A 80-90,
SHORE D 75-87
WIDTH AND THICKNESS VARY



⑲ 5/8" FLANGE
(SNAP-ON)



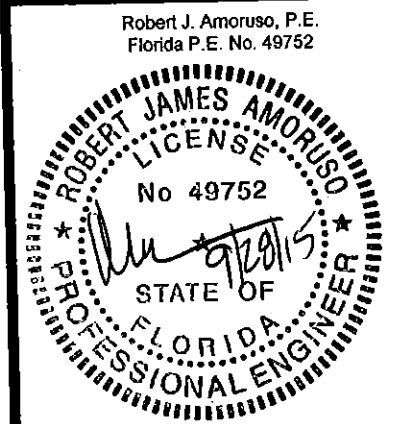
⑲ FLUSH FLANGE
(SNAP-ON)



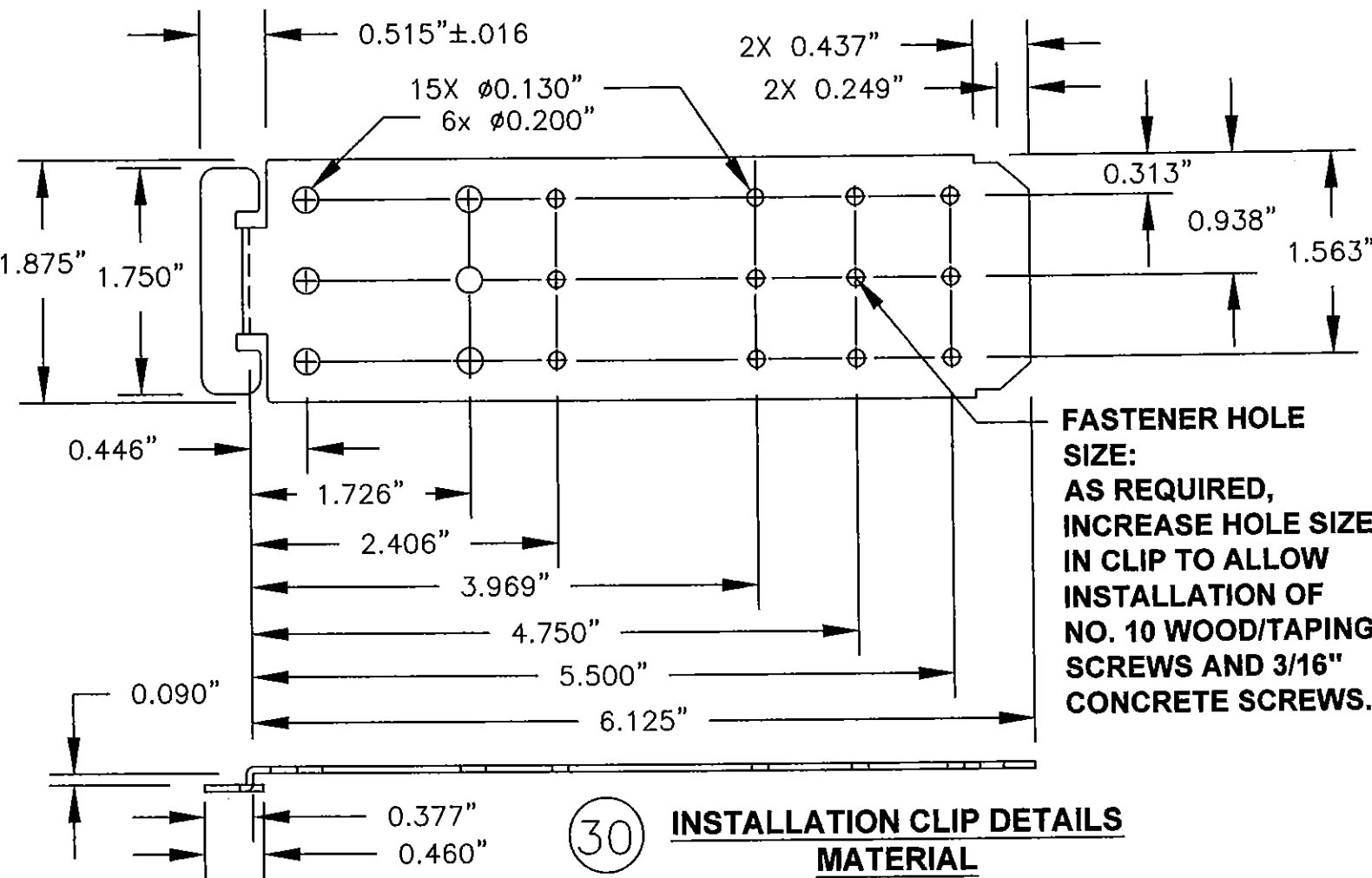
⑳ SASH BOTTOM RAIL
STIFFENER BAR

PROJECT # 414-0609				RJA	RJA	RJA	BY
UPDATED FOR MD COMMENTS				9/28/15	3/18/15	9/23/13	DATE
C	B	A	REV	DESCRIPTION			
UPDATE TO 5TH EDITION (2014) FBC				REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13			
DATE: 12/27/12				SHEET: 12 OF 14			
DRAWN BY: RJA				SCALE: N.T.S.			
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT COMPONENT SECTIONS				REV: C			
PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219				DRAWING NO: PELL0025			
PREPARED BY: RJA				DATE: 12/27/12			
PTC PRODUCT DESIGN GROUP, LLC PO BOX 52075 LONGWOOD, FLORIDA 32752 FBPE C.A. NO. 25835				Phone: 321.690.1788 Fax: 321.690.1789 Email: info@ptc-corp.com			

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 15-0401.06
Expiration Date Oct. 10, 2018
By *Manuel Perez*
Miami Made Product Control



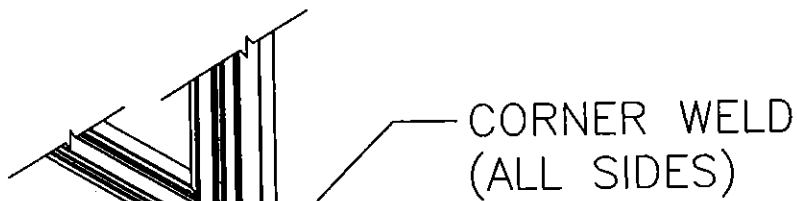
INSTALLATION CLIP DETAIL



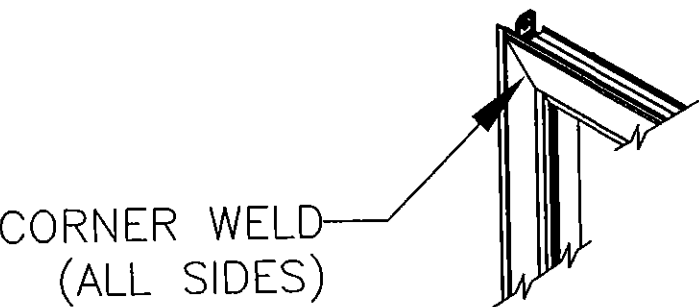
FASTENER HOLE SIZE:
AS REQUIRED,
INCREASE HOLE SIZE
IN CLIP TO ALLOW
INSTALLATION OF
NO. 10 WOOD/TAPING
SCREWS AND 3/16"
CONCRETE SCREWS.

30 INSTALLATION CLIP DETAILS
MATERIAL
.0516 ± 0.003" HOT DIP GALV. SHEET STEEL
ROCKWELL "B" 65 MAX.
ULTIMATE STRENGTH = 55 KSI MIN.
YIELD STRENGTH = 30 KSI MIN.

CORNER CONSTRUCTION



FRAME CORNER CONSTRUCTION



SASH CORNER CONSTRUCTION

PROJECT # 414-0609				
UPDATED FOR MD COMMENTS	RJA	9/28/15	RJA	9/23/13
UPDATE TO 5TH EDITION (2014) FBC	B	3/16/15	RJA	9/23/13
REVISED PER MIAMI-DADE COMMENTS REC'D 4/11/13	A			
DESCRIPTION	REV	DATE	BY	

PELLA CORPORATION 102 MAIN STREET PELLA, IA 50219				
TITLE: 350 SERIES 4-1/2" VINYL AWNING WINDOW - IMPACT INSTALLATION CLIP DETAIL & CORNER CONSTRUCTION				
DATE:	12/27/12	DRAWN BY:	RJA	SCALE:
DRAWING NO:	PELL0025	REV:	C	
PTC PRODUCT DESIGN GROUP, LLC 102 MAIN STREET PELLA, IA 50219 PHONE: 321.690.1789 FAX: 321.690.1789 EMAIL: info@pgc-corp.com FBC REC'D NO. 25935				

PRODUCT REVISED
is complying with the Florida
Building Code
Acceptance No. 15-0401.06
Expiration Date Oct. 10, 2018
By *Manuel Perez*
Miami Dade Product Control

Robert J. Amoroso, P.E.
Florida P.E. No. 49752

ROBERT JAMES AMOROSO
LICENSE
No 49752
STATE OF
FLORIDA
PROFESSIONAL ENGINEER